

# blue'Log XM / XC



## Compatibility list

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## Details regarding the document

The original document is written in English. All other language versions are translations of the original document and are hereby identified as such.

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## Connections

### RS485 bus cabling

The blue'Log offers two separate RS485 interfaces (RS485-1 and RS485-2) which can be used for querying information recorded on various bus devices such as inverters, power quality analyzers, etc.

Please note the following regarding the bus cabling:

- Each RS485 interface supports only a single protocol (for example, Modbus).
- All devices on a bus must use the same protocol to communicate.
- For Power Control requirements it is recommended to only connect inverters from the same series to one RS485 interface.
- The data logger functions exclusively as a master on the bus.
- The maximum permitted number of bus devices has to be observed (see driver information).
- The order of the bus devices on the bus is unimportant.
- The use of a repeater is necessary for every 32nd bus device and for long cable runs.
- The bus should be cabled with a twisted and shielded pair of wires.
- The shield of the bus cable must be grounded at one end of the connection only. The data logger does not have its own grounding.
- When wiring the bus wires, it is important that AC and DC cables are routed separately.
- Do not switch the buses signal wires.
- Different manufacturers interpret the RS485 interface's underlying standard differently. A and B wire labels may be different depending on different manufacturer. The + and – indicators, on the other hand, are unambiguous.
- To prevent reflections, the bus must always be terminated with a parallel terminator.

### Ethernet Connection

When connecting devices via Ethernet to the blue'Log XM / XC, the IP addresses of the devices which should get connected must be static.

### Clamp connection

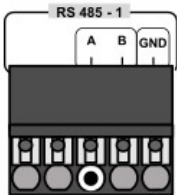


Figure 1 - Clamp assignment blue'Log

### RJ45 jack

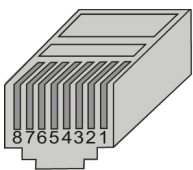


Figure 2 - RJ45 pin assignment

Please consider that the pin assignment of RJ45 jacks can be specific depending on the manufacturer.



## Max. number of devices

- Value for max. number of devices in COMMUNICATION section of each driver got calculated theoretically
- These values got calculated based on the requirements, Power Control and Monitoring without data gaps
- Please check the manufacturer documentation for information regarding the maximum amount of devices which can be connected to one RS485 bus or to a communication gateway
- The amount stated for "Max. number of devices" for each driver refers to the connection via blue'Log XM
- When connecting tracker systems the amount of devices which can get connected can get extended on blue'Log XM with help of the so called "Tracker mode". In case activated on blue'Log XM, up to 250 devices can be queried instead of 100. Except for the device types tracker, sensor and status, no further devices can be configured. Please note this feature is not available for blue'Log XC

## Beta version

Please note: Drivers which are tagged with Beta-Version

- have not been tested in the field yet
- are just available via meteocontrol support

If beta version tagged driver should be required, please contact meteocontrol support:

Technical support:

Phone: +49 (0)821 34666 - 44

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# Inverter

ABB

PRO

---

## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	45
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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## POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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## ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PRO series

PRO-33.0-TL

PRO-33.0-TL-OUTD

PRO-33.0-TL-OUTD-400

PRO-33.0-TL-OUTD-S-400

PRO-33.0-TL-OUTD-SX-400

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PVS 800

① For connection of PVS800 only inverters with firmware (DTC) version  $\geq$  7320 get supported.

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Ethernet communication requires the ABB communication module FENA-21. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.
- ① RS485 communication requires the ABB communication module FSCA. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PVS 800-57B

① For connection of PVS800-57B only inverters with firmware (DTC) version  $\geq 1.41$  get supported.

Please contact Sales for details of compatibility with devices not listed.

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---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Ethernet communication requires the ABB communication module FENA-21. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.
- ① RS485 communication requires the ABB communication module FSCA. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

## POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PVS 980

① For connection of PVS980 only inverters with firmware (DTC) version  $\geq 1.41$  get supported.

Please contact Sales for details of compatibility with devices not listed.

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## PVS, TRIO, TRIO-TM, UNO-DM-PLUS (SunSpec)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	35
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	2

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. For ABB inverters with additional string monitoring technology (SX2, SY2 models), it is only possible to connect up to 50 devices to one blue'Log.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① To support Power Control the following inverters need at least the following firmware versions:

Inverter model | Firmware Inverter | Firmware Q1 (Logger)

PVS-50-TL | 1901B | 1.6.9

PVS-60-TL | 1901C | 1.6.9

PVS-100-TL | 1912B | 0.14.9

PVS-120-TL | 1912C | 0.14.9

PVS-175-TL | 1916F | 0.2.8

## ALARM MONITORING

Alarm monitoring: Yes

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## MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

- ① The actually recorded values may vary due to the device model or the device firmware.
  - ① For ABB inverters with additional string monitoring technology (SX2, SY2 models) the SunSpec String Combiner Model 403 is also supported.
- 

## SUPPORTED DEVICES

### PVS series

PVS-50-TL	PVS-60-TL	PVS-60-TL-CN
PVS-60-TL-US	PVS-100.0-400-EU	PVS-120.0-480-EU
PVS-175.0-800-EU	PVS-175.0-800-EU_A.1	

### TRIO series

TRIO-50.0-TL-OUTD	TRIO-50.0-TL-OUTD-JP	TRIO-50.0-TL-OUTD-US
TRIO-60.0-TL-OUTD	TRIO-60.0-TL-OUTD-US	

### TRIO-TM series

TRIO-TM-50.0-400	TRIO-TM-60.0-480	TRIO-TM-60.0-480-US
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### UNO-DM-PLUS series

UNO-DM-1.2-TL-PLUS	UNO-DM-2.0-TL-PLUS	UNO-DM-3.3-TL-PLUS-US
UNO-DM-3.8-TL-PLUS	UNO-DM-3.8-TL-PLUS-US	UNO-DM-4.0-TL-PLUS
UNO-DM-4.6-TL-PLUS	UNO-DM-5.0-TL-PLUS	UNO-DM-5.0-TL-PLUS-US
UNO-DM-6.0-TL-PLUS	UNO-DM-6.0-TL-PLUS-US	

Please contact Sales for details of compatibility with devices not listed.

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## TRIO-20.0/27.6-TL-OUTD

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.05 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① For connection of TRIO-20.0/27.6-TL-OUTD only devices with "Communication Board Firmware Version" E10D get supported.
- 

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① "Fast stop" is only being supported in case the "Remote on/off" function is enabled in the inverter.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

TRIO series

TRIO-20-TL-OUTD-400

TRIO-20-TL-OUTD-480

TRIO-27.6-TL-OUTD-400

TRIO-27.6-TL-OUTD-480

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## ULTRA 750/1100/1500

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	4
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	3

#### Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

ULTRA series

ULTRA 750

ULTRA 1100

ULTRA 1500

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	AURORA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

#### Timings

Timeout:	0.5 seconds
Delay:	0.035 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ In case String Boxes from ABB should be connected to inverters of the series Plus, Central, Core, Ultra the blue'Log would automatically create a string combiner device for every device connected during the inverter scan.

Depending on the amount of ABB string boxes connected to each inverter the total amount of devices varies that can be connected to one blue'Log.

The maximum number of ABB string boxes which can be connected are:

- Ultra series: 80

- Plus / Central / Core series: 12

ⓘ Communication via ABB Aurora protocol is very time critical to receive 1 minute measured values in time. If the cable connections to the inverters are not ideal or if an inverter has problems it can lead to data gaps in the monitoring for the whole RS485 bus. If possible use Modbus or SunSpec communication if the inverter supports it. Please check the other available ABB drivers from blue'Log. e.g. the newer models from the TRIO series support both protocols ABB Aurora and ABB Modbus, SunSpec.

ⓘ Please note inverters from the series PVI-Central, PVI-Ultra and PVI-Core consist of several inverter modules/units with separate RS485 addresses. During the scan the blue'Log will create an inverter device for each module/unit.

-PVI -Central: 6 modules

-PVI -Ultra: 4 modules

-PVI -Core: 2 modules

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No



- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteorcontrol recommendation is to choose a slower controller sample time than 500 ms.

## ALARM MONITORING

Alarm monitoring: Yes

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

CORE series

CORE-500.0-TL

CORE-1000.0-TL

PVI-500.0-TL-CN

PLUS series

PVI-55.0	PVI-55.0-TL	PVI-110.0
PVI-110.0-TL	PVI-134.0-TL	PVI-165.0
PVI-165.0-TL	PVI-200.0-TL	PVI-220.0
PVI-220.0-TL	PVI-267.0-TL	PVI-275.0
PVI-275.0-TL	PVI-330.0	PVI-330.0-TL
PVI-334.0-TL	PVI-400.0-TL	PVI-CENTRAL-50-US-208
PVI-CENTRAL-50-US-480	PVI-CENTRAL-100-US-208	PVI-CENTRAL-100-US-480
PVI-CENTRAL-250-CAN	PVI-CENTRAL-250-US	PVI-CENTRAL-300-CAN
PVI-CENTRAL-300-US		

PLUS-STATION series

PLUS-STATION-530.0	PLUS-STATION-665.0	PLUS-STATION-800.0
PLUS-STATION-930.0	PLUS-STATION-1065.0	PLUS-STATION-1200.0

PVI series

3-phase interface (3G74)	11.0 KVA Universal (output 400 VAC)	13.8 KVA Universal (output 400 VAC)
PVI-3.0-OUTD	PVI-3.6-OUTD	PVI-3.8-I-OUTD
PVI-3.8-OUTD	PVI-4.2-OUTD	PVI-4.6-I-OUTD
PVI-6.0-OUTD Universal (output 400 VAC)		PVI-6.0-TL-OUTD PVI-8.0-OUTD Universal
PVI-8.0-OUTD Universal PLUS	PVI-8.0-TL-OUTD	PVI-10.0-I-OUTD (output 208 VAC)
PVI-10.0-I-OUTD (output 380 VAC)	PVI-10.0-I-OUTD (output 480 VAC – current limit 12 A)	PVI-10.0-I-OUTD (output 480 VAC)
PVI-10.0-I-OUTD (output 600 VAC)	PVI-10.0-OUTD	PVI-10.0-OUTD Universal
PVI-10.0-TL-OUTD	PVI-12.0-I-OUTD (output 208 VAC)	PVI-12.0-I-OUTD (output 380 VAC)
PVI-12.0-I-OUTD (output 480 VAC)	PVI-12.0-I-OUTD (output 600 VAC)	PVI-12.5-OUTD
PVI-12.5-OUTD Universal	PVI-12.5-TL-OUTD	PVI-1700-IND
PVI-1700-OUTD	PVI-2000	PVI-2000-OUTD
PVI-3600	PVI-3600-OUTD	PVI-5000-OUTD
PVI-6000-OUTD		

REACT series

REACT-3.6-TL	REACT-4.6-TL	REACT-UNO-3.6-TL
REACT-UNO-4.6-TL		

TRIO series

TRIO-5.0-TL-OUTD	TRIO-5.8-OUTD (output 400 VAC)	TRIO-7.5-OUTD (output 400 VAC)
TRIO-8.5-OUTD (output 400 VAC)	TRIO-20-TL	TRIO-20.0 (output 480 VAC)
TRIO-25.0-OUTD	TRIO-27.6 (output 480 VAC)	TRIO-27.6-TL
TRIO-50.0-TL-OUTD	TRIO-50.0-TL-OUTD-JP	TRIO-50.0-TL-US
TRIO-60.0-TL-OUTD	TRIO-60.0-TL-OUTD-US	TRIO-TM-50.0-400 / TRIO-TM-60.0-480

ULTRA series

ULTRA-700.0-TL	ULTRA-750.0-TL	ULTRA-1050.0-TL
ULTRA-1100.0-TL	ULTRA-1400.0-TL	ULTRA-1500.0-TL

ULTRA-MVC series

ULTRA-MVC-770.0	ULTRA-MVC-1160.0	ULTRA-MVC-1550.0
ULTRA-MVC-1940.0	ULTRA-MVC-2330.0	ULTRA-MVC-2720.0
ULTRA-MVC-3110.0		

ULTRA-MVC-S series

ULTRA-MVC-770.0-S	ULTRA-MVC-1160.0-S	ULTRA-MVC-1550.0-S
ULTRA-MVC-1940.0-S	ULTRA-MVC-2330.0-S	ULTRA-MVC-2720.0-S
ULTRA-MVC-3110.0-S		

UNO series

UNO-2.0-I  
UNO-2.5-I  
UNO-3.6-TL-OUTD  
UNO-7.6-TL-OUTD

UNO-2.0-TL-OUTD  
UNO-3.0-TL-OUTD  
UNO-3.8-TL-OUTD  
UNO-8.6-TL-OUTD

UNO-2.0-TL-OUTD-US  
UNO-3.0-TL-OUTD-US  
UNO-4.2-TL-OUTD

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	83
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.01 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_DC	Voltage DC

 The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### PVP30/AExxxTX series

AE35TX	AE50TX	AE75TX
AE100TX	AE250TX/AE260TX	AE500TX
PVP30KW		

### PVPxxxx series

PVP4600

Please contact Sales for details of compatibility with devices not listed.

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## AEG

### Protect Pv

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	DANFOSS_COM_LYNX
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

#### Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### Protect PV series

Protect PV 8

Protect PV 10

Protect PV 12.5 k

Protect PV 15 k

Please contact Sales for details of compatibility with devices not listed.

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## AETI

### Integrated Solar Inversion System (ISIS)

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#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	0.2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Integrated Solar Inversion System (ISIS)

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	247
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	247

**Timings**

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Please note when connecting Albatech inverters the communication settings of the inverters need to be set to:

- Bus speed: 19200 bps
- Frame settings: 8E1
- OneBasedAddress: false
- Word/Byte-Order: High

**POWER CONTROL**

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

APL15

APL20

Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Trinergy Plus 10kW  
Trinergy Plus 40kW  
Trinergy Plus 70kW

Trinergy Plus 20kW  
Trinergy Plus 50kW

Trinergy Plus 30kW  
Trinergy Plus 60kW

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---

## AROS (Riello)

### SIRIO K12 - K800 central inverter

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	49
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Please note for connection of inverters without a touch screen display:

-Connection via Modbus RTU only possible with additional MODCOM PV card

-Connection via Modbus TCP does not get supported

---

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Sirio Central Inverters series

Sirio K12	Sirio K15	Sirio K18
Sirio K25 Series	Sirio K33 Series	Sirio K40 Series
Sirio K64 Series	Sirio K80 Series	Sirio K100 Series
Sirio K200 Series	Sirio K250 Series	Sirio K330 Series
Sirio K500 Series	Sirio K800 Series	

Please contact Sales for details of compatibility with devices not listed.

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---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	48
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

 ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Copernico TT/TL

Please contact Sales for details of compatibility with devices not listed.

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## ATESS Power

### HPS

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

HPS series

HPS30

HPS50

HPS100

HPS120

HPS150

HPS250

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please note Reactive power control - Q control and Power factor control - Cos phi control are only available for specific inverter working mode configurations. Please directly get in touch with Canadian Solar for clarification regarding available working modes for each inverter.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

CSI-3KTL1P-GI-FL	CSI-4KTL1P-GI-FL	CSI-5K-T400GL01-E
CSI-5KTL1P-GI-FL	CSI-6K-T400GL01-E	CSI-7KTL1P-GI-FL
CSI-8K-T400GL01-E	CSI-8KTL1P-GI-FL	CSI-9KTL1P-GI-FL
CSI-10K-T400GL01-E	CSI-10KTL1P-GI-FL	CSI-12K-T400GL01-E
CSI-15K-T400GL01-E	CSI-15KTL-GI-LFL	CSI-17K-T400GL01-E
CSI-20K-T400GL01-E	CSI-20KTL-GI-FL	CSI-20KTL-GI-LFL
CSI-25K-T400GL02-E	CSI-25KTL-GI-FL	CSI-25KTL-GI-L
CSI-25KTL-GS-FL	CSI-30K-T400GL02-E	CSI-30KTL-GI-FL
CSI-30KTL-GI-L	CSI-30KTL-GS-FL	CSI-33K-T400GL02-E
CSI-36K-T400GL02-E	CSI-36KTL-GS-FL	CSI-40K-T400GL02-E
CSI-40K-T500GL02-E	CSI-40KTL-GI-FL	CSI-40KTL-GI-HFL
CSI-40KTL-GS-FL	CSI-50K-T500GL02-E	CSI-50KTL-GI
CSI-50KTL-GI-HFL	CSI-60KTL-GI	CSI-60KTL-GI-H
CSI-75K-T400GL02-E	CSI-100K-T400GL02-E	CSI-100K-T400GL02-ZA
CSI-110K-T400GL02-E	CSI-110K-T400GL02-ZA	CSI-125K-T600GL02-E
CSI-125KTL-GI-E	CSI-255K-T800GL02-E	

Please contact Sales for details of compatibility with devices not listed.

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**COMMUNICATION**

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

**Timings**

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Please note Lympha inverters consist of several inverter modules (up to 3). For each inverter module the blue'Log creates a separate inverter device during the scan.

- 80-160 kW inverters (each 1 x module) → 1 x inverter device after the scan on blue'Log for each inverter

- 200-310 kW inverters (each 2 x modules) → 2 x inverter devices after the scan on blue'Log for each inverter

- 390-500 kW inverters (each 3 x modules) → 3 x inverter devices after the scan on blue'Log for each inverter

**POWER CONTROL**

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

 The actually recorded values may vary due to the device model or the device firmware.

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### SUPPORTED DEVICES

Lympha series

80 kW	100 kW	130 kW
160 kW	200 kW	260 kW
310 kW	390 kW	500 kW

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	74
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### CPS series

SCA14KTL-DO/US-208	SCA20KTL-DO	SCA25KTL-DO
SCA30KTL-DO	SCA36KTL-DO	SCA50KTL-DO
SCA50KTL-DO/US-480	SCA60KTL-DO	SCA60KTL-DO/US-480
SCA500KTL-H	SCA1000KTL-H	SCH100KTL
SCH275KTL	SCH1250K	SCH1500K

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

SCA3KTL_SM	SCA4KTL_SM	SCA5KTL_SM
SCA6KTL_SM	SCA16KTL_SA	SCA16KTL_T
SCA18KTL_SA	SCA18KTL_T	SCA30KTL_SA
SCA30KTL_T	SCA36KTL_SA	SCA36KTL_T

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	DANFOSS_ETHER_LYNX
Port:	48004
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	DANFOSS_COM_LYNX
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

#### Timings

Timeout:	1 seconds
Delay:	0.005 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Please note that Danfoss considers RX/TX A ( - ) and RX/TX B ( + ). When connecting Danfoss inverters via RS485 to blue'Log A and B need to be changed.
- ① TLX Pro supports Ethernet communication.
- ① Scan on RS485 takes several minutes to finish without visible progress in between.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Only TLX inverter with software version  $\geq 1.04$  are supporting active Power Control. Only TLX+ inverter support active and reactive Power Control.  
ULX inverter with software version  $\geq 1.82$  support active and reactive Power Control. With software version  $> 1.67$  and  $< 1.82$  only reactive Power Control is possible.  
DLX inverter don't support Power Control.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

DLX series		
DLX 2.0	DLX 2.9	DLX 3.8
DLX 4.6		
FLX series		
FLX Pro 5	FLX Pro 6	FLX Pro 7
FLX Pro 8	FLX Pro 9	FLX Pro 10
FLX Pro 12.5	FLX Pro 15	FLX Pro 17
TLX series		
TLX series 6 k	TLX series 8 k	TLX series 10 k
TLX series 12.5 k	TLX series 15 k	
ULX series		
ULX 1800	ULX 3600	ULX 5400

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	0.5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC	Current AC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## *SUPPORTED DEVICES*

DeICEN 1000

Please contact Sales for details of compatibility with devices not listed.

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## M (Q@night, only Q method) (SunSpec)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① For communication via SunSpec the inverters must be configured accordingly. (please see inverter manufacturer documentation for more information).
- ① If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. For Delta inverters with additional string monitoring technology (e.g. Delta M88H), it is only possible to connect up to 50 devices to one blue'Log.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	No
Reactive power compensation (beyond feed-in operation):	Yes

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Only inverters with firmware version 1.19 get supported.
- ① You must activate the "Constant Q, 24/7" mode from the inverter via inverter display or Delta service software DSS to use the Remote power compensation function. Configure it only for the inverters at the plant which should do the remote power compensation. The other ones should stay in the mode "Constant Q".
- ① Please note that it is not possible to use the drivers "Delta M (SunSpec)" and "Delta M (Q@night, only Q method) (SunSpec)" on the same RS485 bus.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160



ⓘ The actually recorded values may vary due to the device model or the device firmware.

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### *SUPPORTED DEVICES*

M15A	M15A Flex	M20A
M20A Flex	M30A	M30A Flex
M42U	M50A	M50A Flex
M60U	M70A	M70A Flex
M80U	M88H	M125HV

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## M (SunSpec)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① For communication via SunSpec the inverters must be configured accordingly. (please see inverter manufacturer documentation for more information).
- ① If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. For Delta inverters with additional string monitoring technology (e.g. Delta M88H), it is only possible to connect up to 50 devices to one blue'Log.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please note that it is not possible to use the drivers "Delta M (SunSpec)" and "Delta M (Q@night, only Q method) (SunSpec)" on the same RS485 bus.

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### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

- ① The actually recorded values may vary due to the device model or the device firmware.
-

## SUPPORTED DEVICES

M15A	M15A Flex	M20A
M20A Flex	M30A	M30A Flex
M42U	M50A	M50A Flex
M60U	M70A	M70A Flex
M80U	M88H	M125HV

Please contact Sales for details of compatibility with devices not listed.

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## SI, SOLIVIA, SOL, TL, RPI (Delta protocol)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	DELTA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.
  - ⓘ Only the models RPI M50A and RPI M30A support the function "Fast stop".
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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### GRIDFIT series

Gridfit 1900/2200

### RPI series

RPI H3	RPI H3A	RPI H3A Flex
RPI H4A	RPI H4A Flex	RPI H5
RPI H5A	RPI H5A Flex	RPI M6
RPI M6A	RPI M8	RPI M8A
RPI M10	RPI M10A	RPI M12
RPI M15A	RPI M20A	RPI M30
RPI M30A	RPI M50A	

### SI series

SI 2500	SI 3300	SI 5000
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### SOL series

SOL 5.0 2TL3 S4

SOLIVIA series

SOLIVIA 2.0 EU G4 TR  
SOLIVIA 2.5 EU G4 TR  
SOLIVIA 3.0 EU G3  
SOLIVIA 3.0 NA G4  
SOLIVIA 3.3 EU G3  
SOLIVIA 3.6 AP G3  
SOLIVIA 3.6 NA G4  
SOLIVIA 4.4 NA G4  
SOLIVIA 5.0 EU G4 TR  
SOLIVIA 5.0 NA G4 TL  
SOLIVIA 6.6 NA G4 TL  
SOLIVIA 10 EU G4 TR (EVR)  
SOLIVIA 11 EU G4 TR (EVR)  
SOLIVIA 15 EU G4 TL  
SOLIVIA 20 EU TL  
SOLIVIA CS

SOLIVIA 2.5 AP G3  
SOLIVIA 2.5 NA G4  
SOLIVIA 3.0 EU G4 TR  
SOLIVIA 3.0 NA G4 TL  
SOLIVIA 3.3 EU G4 TR  
SOLIVIA 3.6 EU G3  
SOLIVIA 3.8 NA G4 TL  
SOLIVIA 5.0 AP G3  
SOLIVIA 5.0 EU T4 TL  
SOLIVIA 5.2 NA G4 TL  
SOLIVIA 7.6 NA G4 TL  
SOLIVIA 10 EU T4 TL  
SOLIVIA 12 EU G4 TL  
SOLIVIA 15 EU TL  
SOLIVIA 30 EU T4 TL

SOLIVIA 2.5 EU G3  
SOLIVIA 3.0 AP G3  
SOLIVIA 3.0 EU T4 TL  
SOLIVIA 3.3 AP G3  
SOLIVIA 3.3 NA G4  
SOLIVIA 3.6 EU G4 TR  
SOLIVIA 4.4 EU G4 TR  
SOLIVIA 5.0 EU G3  
SOLIVIA 5.0 NA G4  
SOLIVIA 6.0 EU T4 TL  
SOLIVIA 8.0 EU T4 TL  
SOLIVIA 11 EU G4 TR  
SOLIVIA 12 EU T4 TL  
SOLIVIA 20 EU G4 TL  
SOLIVIA CM

TL series

DELTA 15 TL  
DELTA 28 TL

DELTA 20 TL

DELTA 24 TL

Please contact Sales for details of compatibility with devices not listed.

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## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	DIEHL_AKO
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Please note it is possible to connect "String Modules" to Diehl AKO inverters. In case "String Modules" connected the blue'Log will automatically set up a string combiner device for each "String Module" connected to the inverter. Depending on the amount of "String Modules" connected the max. amount of devices varies which can get connected to one blue'Log. Values of the "Power Modules" can get visualized via the inverter.
- ① The scan of a single Diehl AKO inverter can last up to 45 seconds.
- ① It is not possible to scan individual inverters. Only a complete RS485 bus can get scanned.
- ① With Diehl AKO inverters it is possible to start the scan of the RS485 bus not only from a data logger but also from single inverters part of the bus. The driver does not support this function. In case a scan of the RS485 bus has been carried out from an inverter this can lead to a communication error. In such cases meteocontrol recommends a restart of the blue'Log as well as a completely new scan of all inverters connected carried out by the blue'Log.
- ① Diehl AKO inverters with protocol version 5.0 and higher get supported.

---

## POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please note in CLOSED-LOOP only "Active power control" or "Reactive power control" is possible. "Active power control" and "Reactive power control" at the same time only possible in OPEN-LOOP.

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## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PLATINUM C series		
100CS	100CTL	125CTL
PLATINUM R3-M series		
7000R3-MDX	7000R3-MDXP	9000R3-MDX
9000R3-MDXP	11000R3-MDX	11000R3-MDXP
14000R3-MDX	14000R3-MDXP	16000R3-MDX
16000R3-MDXP		
PLATINUM S series		
2100S	2800S	3100S
3501S	3800S	4300S
4301S	4600S	4601S
4602S		
PLATINUM TL series		
4300TL	4800TL	5300TL
6300TL	7200TL	
PLATINUM TL3 (3xTL) series		
11000TL3	13000TL3	17000TL3
22000TL3		



PLATINUM TLD series

3800TLD  
4800TLD  
7200TLD

3801TLD  
5300TLD

4300TLD  
6300TLD

PLATINUM TLD series (3xTLD) series

13000TLD (TLxD)  
22000TLD (TLxD)

16000TLD (TLxD)  
22001TLD (TLxD)

19000TLD (TLxD)

Please contact Sales for details of compatibility with devices not listed.

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## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

## POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

- ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

8YF

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\phi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
P_AC	Power AC
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## *SUPPORTED DEVICES*

Unidrive SPV1 series

SPV 145  
SPV 525  
SPV 1060  
SPV 1590

SPV 175  
SPV 700  
SPV 1230

SPV 350  
SPV 875  
SPV 1410

Please contact Sales for details of compatibility with devices not listed.

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---

## Unidrive SPV2

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2, 7N1, 7O1, 7E1, 7N2, 7O2, 7E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC total
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

 ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Unidrive SPV2 series

SPV 248	SPV 300	SPV 600
SPV 900	SPV 1200	SPV 1500
SPV 1800	SPV 2100	SPV 2400
SPV 2700		

Please contact Sales for details of compatibility with devices not listed.

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## FIMER

### PVS-10/33-TL

Beta version (see chapter „Beta version“)

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

#### ALARM MONITORING

Alarm monitoring:	No
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#### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.



## *SUPPORTED DEVICES*

PVS-10-TL  
PVS-20-TL

PVS-12.5-TL  
PVS-30-TL

PVS-15-TL  
PVS-33-TL

Please contact Sales for details of compatibility with devices not listed.

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## R400 - R5000TL

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	65
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

R400	R800	R1200
R2500TL	R5000TL	

Please contact Sales for details of compatibility with devices not listed.

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---

## FRIEM

### RECon 30 Central Inverter (firmware > 2.42.0)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① FRIEM RECon central inverters consist of several inverter modules (up to 6) and string combiners (up to 18). Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 FRIEM RECon central inverter with 6 inverter modules + 18 string combiner = 24 devices).
  - ① Please note for connection of FRIEM RECon inverters with only a RS232 interface an additional RS232/RS485 converter is required for connection via Modbus RTU.
  - ① Please note for FRIEM RECon inverters with firmware version up to 2.42.0 the communication via Modbus TCP can't get used for monitoring.
- 

#### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- 

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_DC	Current DC total
P_AC	Power AC
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

RECon 30 Central Inverter (firmware > 2.42.0)

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## RECon Central Inverter (firmware > 5.2.xx)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	8000
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① FRIEM RECon central inverters with firmware > 5.2.xx get supported.
- ① FRIEM RECon central inverters consist of several inverter modules (up to 6) and string combiners (up to 18). Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 FRIEM RECon central inverter with 6 inverter modules + 18 string combiner = 24 devices).

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
I_SUM	Sum of DC currents
P_AC	Power AC
Q_AC	Reactive power
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

RECon series  
FRIEM stringboxes                      RECon Centralized Inverters

Please contact Sales for details of compatibility with devices not listed.

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---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes
Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Communication via Modbus must be activated on the Fronius Datamanager 2.0 first.
- ① On the Fronius Datamanager 2.0 the Sunspec Model type "int + SF" needs to be selected.
- ① It is recommended that not more than 6 inverters get connected to a single Datamanager 2.0 for monitoring purpose.

**POWER CONTROL**

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① In case of Power Control requirements "Inverter control via Modbus" needs to be activated on the Fronius Datamanager 2.0.
- ① Please consider that meteocontrol recommends not to connect more than 6 inverters to a single Datamanager 2.0 in case Power Control should be required.

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Datamanager 2.0 plug-in card with Fronius Com Card function series

Fronius CL	Fronius CL USA	Fronius IG
Fronius IG 300 - 500	Fronius IG Plus	Fronius IG Plus A
Fronius IG Plus V		

### Datamanager 2.0 plug-in card without Fronius Com Card function series

Fronius Eco	Fronius Galvo	Fronius Primo
Fronius Symo		

### Datamanager Box 2.0 series

Fronius Agilo	Fronius Agilo Outdoor	Fronius Agilo TL
Fronius CL	Fronius CL USA	Fronius Eco
Fronius Galvo	Fronius IG	Fronius IG 300 - 500
Fronius IG Plus	Fronius IG Plus A	Fronius IG Plus V
Fronius Primo	Fronius Symo	

### GEN24 series

Primo GEN24	Symo GEN24	
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### Tauro series

Tauro D	Tauro ECO 50 D	Tauro ECO 50 P
Tauro ECO 100 D	Tauro ECO 100 P	Tauro P

Please contact Sales for details of compatibility with devices not listed.

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## Fronius SolarNet Inverter

---

### COMMUNICATION

Communication interface:	RS422
Max. number of devices per bus:	100
Protocol:	SOLAR_NET
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 7N1, 7N2, 7E1, 7E2
Frame settings default:	8N1
Default address:	0

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① To communicate with the inverter via SolarNet protocol a Full duplex (4 Wires) cabling via RS422 is necessary. It is possible to use both the two RS485 interfaces of the blue'Log XM / XC base module and the MX-MODULE RS485/422. On the blue'Log base module the four inputs (starting from left) of each RS485 interface can get used for connections via RS422 SolarNet protocol.

For cablings via RS422 via RS485 base module interfaces (Inputs from left to right) Rx+ ; Rx- ; Tx+ ; Tx- ; GND

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

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## MEASUREMENT VALUES RECORDED

E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Agilo series

Fronius Agilo 75.0-3	Fronius Agilo 75.0-3 Outdoor	Fronius Agilo 100.0-3
Fronius Agilo 100.0-3 Dummy	Fronius Agilo 100.0-3 Outdoor	Fronius Agilo TL 360.0-3
Fronius Agilo TL 460.0-3		

### CL series

Fronius CL 33.3 Delta	Fronius CL 36.0	Fronius CL 36.0 WYE277
Fronius CL 44.4 Delta	Fronius CL 48.0	Fronius CL 48.0 WYE277
Fronius CL 55.5 Delta	Fronius CL 55.5 Delta Dummy	Fronius CL 60.0
Fronius CL 60.0 Dummy	Fronius CL 60.0 WYE277	Fronius CL 60.0 WYE277 Dummy

### Eco series

FRONIUS Eco 25.0-3-S	FRONIUS Eco 27.0-3-S	FRONIUS Symo 15.0-3 208
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### Galvo series

Fronius Galvo 1.5-1	Fronius Galvo 1.5-1 208-240	Fronius Galvo 2.0-1
Fronius Galvo 2.0-1 208-240	Fronius Galvo 2.5-1	Fronius Galvo 2.5-1 208-240
Fronius Galvo 3.0-1	Fronius Galvo 3.1-1	Fronius Galvo 3.1-1 208-240
Fronius Galvo 3.1-1 Dummy		

#### IG series

Fronius IG 15	Fronius IG 20	Fronius IG 30
Fronius IG 30 Dummy	Fronius IG 40	Fronius IG 50
Fronius IG 60 ADV	Fronius IG 60 HV	Fronius IG 300
Fronius IG 400	Fronius IG 500	Fronius IG 2000
Fronius IG 2500-LV	Fronius IG 3000	Fronius IG 4000
Fronius IG 4500-LV	Fronius IG 5100	Fronius IG Plus 35
Fronius IG Plus 50	Fronius IG Plus 70	Fronius IG Plus 100
Fronius IG Plus 120	Fronius IG Plus 150	Fronius IG TL 3.0
Fronius IG TL 3.6	Fronius IG TL 4.0	Fronius IG TL 4.6
Fronius IG TL 5.0	Fronius IG TL Dummy	

#### IG Plus series

Fronius IG Plus 3.0-1 UNI	Fronius IG Plus 3.8-1 UNI	Fronius IG Plus 5.0-1 UNI
Fronius IG Plus 6.0-1 UNI	Fronius IG Plus 7.5-1 UNI	Fronius IG Plus 10.0-1 UNI
Fronius IG Plus 11.4-1 UNI	Fronius IG Plus 11.4-3 Delta	Fronius IG Plus 12.0-3 WYE277
Fronius IG Plus 25 V-1	Fronius IG Plus 30 V-1	Fronius IG Plus 35 V-1
Fronius IG Plus 50 V-1	Fronius IG Plus 50 V-1 Dummy	Fronius IG Plus 55 V-1
Fronius IG Plus 55 V-2	Fronius IG Plus 55 V-3	Fronius IG Plus 60 V-1
Fronius IG Plus 60 V-2	Fronius IG Plus 60 V-3	Fronius IG Plus 70 V-1
Fronius IG Plus 70 V-2	Fronius IG Plus 80 V-3	Fronius IG Plus 100 V-1
Fronius IG Plus 100 V-2	Fronius IG Plus 100 V-2 Dummy	Fronius IG Plus 100 V-3
Fronius IG Plus 120 V-1	Fronius IG Plus 120 V-3	Fronius IG Plus 150 V-3
Fronius IG Plus 150 V-3 Dummy	Fronius IG Plus V 3.8-1 Dummy	Fronius IG Plus V 7.5-1 Dummy
Fronius IG Plus V 12.0-3 Dummy	Fronius IG Plus V/A 3.0-1 UNI	Fronius IG Plus V/A 3.8-1 UNI
Fronius IG Plus V/A 5.0-1 UNI	Fronius IG Plus V/A 6.0-1 UNI	Fronius IG Plus V/A 7.5-1 UNI
Fronius IG Plus V/A 10.0-1 UNI	Fronius IG Plus V/A 10.0-3 Delta	Fronius IG Plus V/A 11.4-1 UNI
Fronius IG Plus V/A 11.4-3 Delta	Fronius IG Plus V/A 12.0-3 WYE	

#### Other series

Fronius G24 Serie	Remote Plant
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#### Primo series

Fronius Primo 3.0-1	Fronius Primo 3.5-1	Fronius Primo 3.6-1
Fronius Primo 3.8-1 208-240	Fronius Primo 4.0-1	Fronius Primo 4.6-1
Fronius Primo 5.0-1	Fronius Primo 5.0-1 208-240	Fronius Primo 6.0-1
Fronius Primo 6.0-1 208-240	Fronius Primo 7.6-1 208-240	Fronius Primo 8.2-1
Fronius Primo 8.2-1 208-240	Fronius Primo 8.2-1 Dummy	Fronius Primo 10.0-1 208-240
Fronius Primo 11.4-1 208-240	Fronius Primo 12.5-1 208-240	Fronius Primo 15.0-1 208-240
Fronius Primo Hybrid 3.6-1	Fronius Primo Hybrid 4.0-1	Fronius Primo Hybrid 4.6-1
Fronius Primo Hybrid 5.0-1	Fronius Primo Hybrid 5.0-1 240	Fronius Primo Hybrid 6.0-1
Fronius Primo Hybrid 6.0-1 240	Fronius Primo Hybrid 8.0-1	Fronius Primo Hybrid 8.0-1 240
Fronius Primo Hybrid 10.0-1	Fronius Primo Hybrid 10.0-1 240	Fronius Primo Hybrid 11.4-1
Fronius Primo Hybrid 11.4-1 240		

#### SPR series

SPR 3001F-1 EU	SPR 3300F EU/A 3.8-1 UNI	SPR 3300f/A 12.0-3 WYE
SPR 3501F-1 EU	SPR 4000F EU/A 3.0-1 UNI	SPR 4000f/A 11.4-3 Delta
SPR 4001F-1 EU	SPR 6500F EU	SPR 6500f/A 11.4-1 UNI
SPR 6501F-2 EU	SPR 8000F EU	SPR 8000f/A 10.0-3 Delta
SPR 8001F-2 EU	SPR 8001F-3 EU	SPR 10000F EU
SPR 10000f/A 10.0-1 UNI	SPR 10001F-3 EU	SPR 11400f-3 208/240/A 7.5-1 UNI
SPR 12000F EU	SPR 12000f-277/A 5.0-1 UNI	SPR 12000f/A 6.0-1 UNI
SPR 12001F-3 EU	SPR-3301f-1 UNI	SPR-3801f-1 UNI
SPR-6501f-1 UNI	SPR-7501f-1 UNI	SPR-10001f-1 UNI
SPR-11401f-1 UNI	SPR-11401f-3 Delta	SPR-12001f-3 WYE277

Symo series

Fronius Symo 3.0-3-M	Fronius Symo 3.0-3-S	Fronius Symo 3.7-3-M
Fronius Symo 3.7-3-S	Fronius Symo 4.5-3-M	Fronius Symo 4.5-3-S
Fronius Symo 5.0-3-M	Fronius Symo 5.5-3-M	Fronius Symo 6.0-3-M
Fronius Symo 6.7-3-M	Fronius Symo 7.0-3-M	Fronius Symo 8.2-3-M
Fronius Symo 8.2-3-M Dummy	Fronius Symo 10.0-3 208-240	Fronius Symo 10.0-3 480
Fronius Symo 10.0-3-M	Fronius Symo 12.0-3 208-240	Fronius Symo 12.5-3 480
Fronius Symo 12.5-3-M	Fronius Symo 15.0-3 480	Fronius Symo 15.0-3-M
Fronius Symo 17.5-3 480	Fronius Symo 17.5-3-M	Fronius Symo 20.0-3 480
Fronius Symo 20.0-3 Dummy	Fronius Symo 20.0-3-M	Fronius Symo 22.7-3 480
Fronius Symo 24.0-3 480	Fronius Symo 24.0-3 USA Dummy	Fronius Symo Hybrid 3.0-3-S
Fronius Symo Hybrid 4.0-3-S	Fronius Symo Hybrid 5.0-3-S	Symo Advanced 10.0-3 208-240
Symo Advanced 12.0-3 208-240	Symo Advanced 15.0-3 480	Symo Advanced 20.0-3 480
Symo Advanced 22.7-3 480	Symo Advanced 24.0-3 480	

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

Inverter III 500kW

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	59
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

APV-S-10K-AE-TL1  
APV-S-20K-EE-TL1

APV-S-12K-AE-TL1

APV-S-15K-EE-TL1

Please contact Sales for details of compatibility with devices not listed.

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## APVS2XF

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	58
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

APV-S-10K-AE-TL2  
APV-S-18K-AE-TL2

APV-S-12K-AE-TL2  
APV-S-20K-AE-TL2

APV-S-15K-AE-TL2

Please contact Sales for details of compatibility with devices not listed.

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## APVS3XF

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	58
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

APV-S-10K-EE-TL3

APV-S-20K-AE-TL3

Please contact Sales for details of compatibility with devices not listed.

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---

## APVX2M

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

## *SUPPORTED DEVICES*

APV-1700-2M-TL  
APV-3800-2M-TL

APV-2300-2M-TL  
APV-4400-2M-TL

APV-3100-2M-TL  
APV-5200-2M-TL

Please contact Sales for details of compatibility with devices not listed.

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## APVX4TL

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

APV-10K-4-TL-DM  
APV-20K-4-TL-DM

APV-12K-4-TL-DM

APV-18K-4-TL-DM

Please contact Sales for details of compatibility with devices not listed.

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## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	0.3 seconds

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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## POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please note Reactive power control - Q control and Power factor control - Cos phi control are only available for specific inverter working mode configurations. Please directly get in touch with Ginlong for clarification regarding available working modes for each inverter.

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## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

Solis-1P4K-4G	Solis-1P5K-4G	Solis-1P7K-4G
Solis-1P8K-4G	Solis-1P9K-4G	Solis-1P10K-4G
Solis-3P5K-4G	Solis-3P5K-4G (AU)	Solis-3P5K-4G-LV
Solis-3P6K-4G	Solis-3P6K-4G (AU)	Solis-3P6K-4G-LV
Solis-3P8K-4G	Solis-3P8K-4G (AU)	Solis-3P9K-4G
Solis-3P9K-4G (AU)	Solis-3P10K-4G	Solis-3P10K-4G (AU)
Solis-3P10K-4G-LV	Solis-3P12K-4G	Solis-3P12K-4G (CN)
Solis-3P15K-4G	Solis-3P15K-4G (CN)	Solis-3P15K-4G-HV
Solis-3P17K-4G	Solis-3P20K-4G	Solis-6K
Solis-6K-LV	Solis-10K	Solis-10K-LV
Solis-15K	Solis-15K-LV	Solis-15K-LV-5G
Solis-20K	Solis-20K-HV	Solis-20K-LV
Solis-20K-LV-5G	Solis-23K-LV-5G	Solis-25K
Solis-25K-5G	Solis-25K-LV	Solis-25K-US
Solis-30K-5G	Solis-30K-LV	Solis-30K-US
Solis-30K/33K	Solis-33K-5G	Solis-36K-5G
Solis-36K-HV/-36K-US/-36K-US-SW	Solis-36K-US-F	Solis-40K
Solis-40K-5G	Solis-40K-HV/-40K-US/-40K-US-SW	Solis-40K-US-F
Solis-50K	Solis-50K-HV-US-F	Solis-50K-HV/-50K-HV-US
Solis-50K-US-F-SW	Solis-60K-4G	Solis-60K-HV/-60K-US-F
Solis-66K-US-F	Solis-70K-HV	Solis-70K-HV-4G
Solis-80K-5G	Solis-100-K-EHV-5G	Solis-100K-5G
Solis-100k-5G-SA	Solis-100K-HV-5G	Solis-110K-5G
Solis-110k-5G-SA	Solis-110K-BHV-5G	Solis-125-K-EHV-5G
Solis-208K-EHV	Solis-255K-EHV	Solis-255K-EHV-5G
Solis-Mini-700-4G	Solis-Mini-1000-4G	Solis-Mini-1500-4G
Solis-Mini-2000-4G	Solis-Mini-2500-4G	Solis-Mini-3000-4G

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

GW5K-ET  
GW10K-ET

GW6.5K-ET

GW8K-ET

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	67
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

DNS series			
GW3000D-NS	GW3600D-NS		GW4200D-NS
GW5000D-NS	GW6000D-NS		
DT series			
GW17K-DT	GW20K-DT		GW25K-DT
HF series			
GW5KHV-HF	GW3000-HF		GW5000D-HF
LVMT series			
GW30KLV-MT	GW35KLV-MT		GW50KLV-MT
LVSMT series			
GW15KLV-MT	GW20KLV-MT		
MT series			
GW50K-MT	GW50KBF-MT		GW50KN-MT
GW60K-MT	GW60KBF-MT		GW60KN-MT
GW70KHV-MT	GW80K-MT		GW80KBF-MT
GW80KHV-MT			
NS series			
GW1000-NS	GW1500-NS		GW2000-NS
GW2500-NS	GW3000-NS		
SDT series			
GW10KN-DT	GW12KLN-DT		GW12KN-DT
GW15KN-DT	GW17KN-DT		GW20KN-DT
GW4000-DT	GW5000-DT		GW6000-DT
GW8000-GT			



SDT-G2 series

GW4K-DT  
GW8K-DT  
GW15KT-DT  
GW25KT-DT

GW5K-DT  
GW10KT-DT  
GW17KT-DT

GW6K-DT  
GW12KT-DT  
GW20KT-DT

SMT series

GW25K-MT  
GW36KN-MT

GW30K-MT

GW36K-MT

XS series

GW700-XS  
GW2000-XS

GW1000-XS  
GW2500-XS

GW1500-XS  
GW3000-XS

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
 ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
 ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PV500WD-INT-O  
PV675WD-INT-O  
PV900WD-INT-O

PV540WD-INT-O  
PV750WD-INT-O  
PV975WD-INT-O

PV630WD-INT-O  
PV800WD-INT-O

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**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

**POWER CONTROL**

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

 The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

750~3000 S series

750-S

1000-S

1500-S

2000-S

2500-S

3000-S

Please contact Sales for details of compatibility with devices not listed.

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## 2500~5500 MTL-S

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

2500~5500 MTL-S series

2500MTL-S

3000MTL-S

3600MTL-S

4200MTL-S

5000MTL-S

5500MTL-S

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## 3000~6000 TL3-S

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

3000~6000 TL3-S series

3000TL3-S

4000TL3-S

5000TL3-S

6000TL3-S

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## 7000~11000 TL3-S

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

7000~11000 TL3-S series

7000TL3-S

8000TL3-S

9000TL3-S

10000TL3-S

11000TL3-S

Please contact Sales for details of compatibility with devices not listed.

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## 10000~20000 UE

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

10000~20000 UE series

10000UE

20000UE

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## 12000~15000 TL3-S

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

12000~15000 TL3-S series

12000TL3-S

13000TL3-S

15000TL3-S

Please contact Sales for details of compatibility with devices not listed.

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---

## 17000~25000 TL3-S

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

 The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

17000~25000 TL3-S series

17000TL3-S

20000TL3-S

25000TL3-S

Please contact Sales for details of compatibility with devices not listed.

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## 30000~50000 TL3-S

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Only inverters with firmware 3.15 and higher get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① To support Power Control the inverters need at least the firmware version 3.15.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

30000~50000 TL3-S series		
30000TL3-S	33000TL3-S	40000TL3-S
50000TL3-S		

Please contact Sales for details of compatibility with devices not listed.

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---

## MAC xx KTL3 x LV

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MAC xx KTL3 x LV series

MAC 40KTL3-X LV

MAC 50KTL3-X LV

MAC 60KTL3-X LV

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MAX 50/60 KTL3 LV/MV series  
MAX 50KTL3 LV

MAX 60KTL3 LV

MAX 60KTL3 MV

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MAX 70/80 KTL3 LV/MV series  
MAX 70KTL3 LV  
MAX 80KTL3 MV

MAX 70KTL3 MV

MAX 80KTL3 LV

Please contact Sales for details of compatibility with devices not listed.

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---

## SPA xxxx TL-BL

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SPA xxxx TL-BL series  
SPA1000TL-BL

SPA2000TL-BL

SPA3000TL-BL

Please contact Sales for details of compatibility with devices not listed.

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---

## SPA xxxx TL3-BH

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SPA xxxx TL3-BH series

SPA 4000 TL3 BH

SPA 5000 TL3 BH

SPA 6000 TL3 BH

SPA 7000 TL3 BH

SPA 8000 TL3 BH

SPA 10000 TL3 BH

Please contact Sales for details of compatibility with devices not listed.

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---

## SPH xxxx

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SPH xxxx series		
SPH3000	SPH3600	SPH4000
SPH4600	SPH5000	SPH6000

Please contact Sales for details of compatibility with devices not listed.

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---

## SPH xxxx TL3-BH

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

SPH xxxx TL3-BH series

SPH4000TL3 BH

SPH5000TL3 BH

SPH6000TL3 BH

SPH7000TL3 BH

SPH8000TL3 BH

SPH10000TL3 BH

Please contact Sales for details of compatibility with devices not listed.

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# HELIOS SYSTEMS

## HS / HSI series

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please note when using Reactive power control - Q control that the inverters are only capable of receiving absolute setpoints (-1000 ...+1000 kVAr). Besides the values sent are not linked to the nominal power of the single inverters. As via blue'Log only relative setpoints can get configured, so the setpoints sent need to be converted. e.g. 100% configured on blue'Log would mean that inverter provides 1000kVAr.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

HS80	HS100	HS120
HS150	HS200	HS250
HSI200	HSI250	HSI420
HSI500	HSI550	HSI640

Please contact Sales for details of compatibility with devices not listed.

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## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	41
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	5 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Direct connection of Huawei inverters to blue'Log via RS485 (Modbus RTU).
- ① When using Huawei SmartLogger:
  - connection of SmartLogger to blue'Log via Ethernet (Modbus TCP)
  - blue'Log needs to be registered in the "Whitelist" of the SmartLogger
  - blue'Log is compatible to SmartLogger 1000, 2000, 3000 series. Independent of the SmartLogger it's important that the inverter is compatible and has a supported firmware installed (check supported devices)
  - set on the Smartlogger in section Settings/Modbus TCP/Link setting "Enable(Unlimited)" and enter IP address of the blue'Log
  - SmartLogger address needs to be set to 0

## POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① If inverters connected to SmartLogger "Enable" Active/Reactive power control in Settings of SmartLogger. Set "Active/Reactive power control mode" to: "Remote scheduling" on the SmartLogger.

## ALARM MONITORING

Alarm monitoring: Yes

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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### SUN2000 series

SUN2000-3KTL-M0	SUN2000-3KTL-M1	SUN2000-4KTL-M0
SUN2000-4KTL-M1	SUN2000-5KTL-M0	SUN2000-5KTL-M1
SUN2000-6KTL-M0	SUN2000-6KTL-M1	SUN2000-8KTL
SUN2000-8KTL-M0	SUN2000-8KTL-M1	SUN2000-8KTL-M2
SUN2000-10KTL	SUN2000-10KTL-M0	SUN2000-10KTL-M1
SUN2000-10KTL-M2	SUN2000-12KTL	SUN2000-12KTL-M0
SUN2000-12KTL-M1	SUN2000-12KTL-M2	SUN2000-15KTL
SUN2000-15KTL-M0	SUN2000-15KTL-M2	SUN2000-15KTL-M3
SUN2000-17KTL	SUN2000-17KTL-M0	SUN2000-17KTL-M2
SUN2000-17KTL-M3	SUN2000-20KTL	SUN2000-20KTL-M0
SUN2000-20KTL-M2	SUN2000-20KTL-M3	SUN2000-23KTL
SUN2000-23KTL-M3	SUN2000-24.5KTL	SUN2000-24.7KTL-JP
SUN2000-25KTL-NAM3	SUN2000-28KTL	SUN2000-28KTL-M3
SUN2000-29.9KTL	SUN2000-29.9KTL-M3	SUN2000-30KTL-A
SUN2000-30KTL-M3	SUN2000-30KTL-NAM3	SUN2000-33KTL
SUN2000-33KTL-A	SUN2000-33KTL-E001	SUN2000-33KTL-JP
SUN2000-33KTL-NAM3	SUN2000-33KTL-US	SUN2000-36KTL
SUN2000-36KTL-M3	SUN2000-36KTL-NAM3	SUN2000-36KTL-US
SUN2000-40KTL	SUN2000-40KTL-JP	SUN2000-40KTL-M3
SUN2000-40KTL-NAM3	SUN2000-40KTL-US	SUN2000-42KTL
SUN2000-42KTL-M3	SUN2000-43KTL-IN-C1	SUN2000-43KTL-INM3
SUN2000-44KTL-M3	SUN2000-45KTL-US-HV-D0	SUN2000-50KTL
SUN2000-50KTL-C1	SUN2000-50KTL-JPM0	SUN2000-50KTL-JPM1
SUN2000-50KTL-M0	SUN2000-50KTL-M3	SUN2000-55KTL-HV-D1
SUN2000-55KTL-HV-D1-001	SUN2000-55KTL-IN-HV-D1	SUN2000-60KTL-HV-D1
SUN2000-60KTL-HV-D1-001	SUN2000-60KTL-M0	SUN2000-63KTL-JPH0
SUN2000-63KTL-JPM0	SUN2000-65KTL-M0	SUN2000-70KTL-C1
SUN2000-70KTL-INM0	SUN2000-75KTL-C1	SUN2000-90KTL-H0
SUN2000-90KTL-H1	SUN2000-90KTL-H2	SUN2000-95KTL-INH0
SUN2000-95KTL-INH1	SUN2000-100KTL-H0	SUN2000-100KTL-H1
SUN2000-100KTL-H2	SUN2000-100KTL-INM0	SUN2000-100KTL-M0
SUN2000-100KTL-M1	SUN2000-100KTL-USH0	SUN2000-105KTL-H0
SUN2000-105KTL-H1	SUN2000-105KTL-USH0	SUN2000-110KTL-M0
SUN2000-125KTL-M0	SUN2000-168KTL-H1	SUN2000-175KTL-H0
SUN2000-185KTL-H1	SUN2000-185KTL-INH0	SUN2000-193KTL-H0
SUN2000-196KTL-H0	SUN2000-200KTL-H2	SUN2000-215KTL-H0

ⓘ Only the following inverter firmwares get supported:

SUN2000 V100R001  
SUN2000 V200R001  
SUN2000 V200R002  
SUN2000 V300R001  
SUN2000 V500R001  
SUN2000HA V100R001  
SUN2000MA V100R001

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**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

**Timings**

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① When using Huawei SmartLogger:
  - connection of SmartLogger to blue'Log via Ethernet (Modbus TCP)
  - blue'Log needs to be registered in the "Whitelist" of the SmartLogger
  - blue'Log is compatible to SmartLogger 3000 series.
  - set on the Smartlogger in section Settings/Modbus TCP/Link setting "Enable(Unlimited)" and enter IP address of the blue'Log
  - SmartLogger address needs to be set to 0

**POWER CONTROL**

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### SUN2000L series

SUN2000-2KTL	SUN2000-2KTL-L0	SUN2000-3.8KTL-US
SUN2000-3.8KTL-US-4G	SUN2000-3.68KTL	SUN2000-3KTL
SUN2000-3KTL-CN	SUN2000-3KTL-CN-4G	SUN2000-3KTL-CNLO
SUN2000-3KTL-L0	SUN2000-4.6KTL	SUN2000-4.6KTL-L1
SUN2000-4.95KTL-JP	SUN2000-4.95KTL-JPL0	SUN2000-4.125KTL-JP
SUN2000-4KTL	SUN2000-4KTL-CN	SUN2000-4KTL-CN-4G
SUN2000-4KTL-CNLO	SUN2000-4KTL-L0	SUN2000-4KTL-L1
SUN2000-5KTL	SUN2000-5KTL-CN	SUN2000-5KTL-CN-4G
SUN2000-5KTL-L0	SUN2000-5KTL-L1	SUN2000-5KTL-US
SUN2000-5KTL-US-4G	SUN2000-6KTL-CNLO	SUN2000-6KTL-L1
SUN2000-7.6KTL-US	SUN2000-7.6KTL-US-4G	SUN2000-7.6KTL-US-Zb
SUN2000-9KTL-US	SUN2000-9KTL-US-4G	SUN2000-10KTL-USLO
SUN2000-11.4KTL-US	SUN2000-11.4KTL-US-4G	

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---



### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

Ingecon Sun 3PLAY 100TL series	TL 100kW	TL 160kW	
Ingecon Sun 3PLAY TL series	10 TL M	15 TL M	20 TL M
	24 TL U M480	33 TL M	40 TL M480
Ingecon Sun 3PLAY TL M series	10 TL	20 TL	33 TL
Ingecon Sun Lite series	2.5	2.5 TL	3 TL
	3.3	3.3 TL	3.8 TL
	3.68 TL	4.6 TL	5
	5 TL	6 TL	
Ingecon Sun Power series	50	60	70
	80	90	100
	100 TL	125 TL	150 TL
	180 TL	200 TL	210 TL

Ingecon Sun PowerMax B series

830 TL B300	890 TL B320	915 TL B330
1000 TL B360	1070 TL B385	1080 TL B390
1110 TL B400	1140 TL B410	1165 TL B420
1170 TL B450	1190 TL B430	1220 TL B440
1250 TL B450	1275 TL B460	1400 TL B540
1500 TL B578	1560 TL B600	1600 TL B615
1640 TL B630	1665 TL B640	1690 TL B650
1740 TL B670	1800 TL B690	

Ingecon Sun PowerMax M series

250 TL M220	275 TL M220	315 TL M275
315HE TL M275	350 TL M275	365 TL M320
365HE TL M320	375 TL M220	375 TL NAC M220
380 TL M300	400 TL M320	400 TL M345
400HE TL M345	410 TL M220	420 TL M360
420HE TL M360	440 TL M345	460 TL M360
500 TL M275	500 TL M400	500 TL NAC M220
500HE TL M275	500HE TL NAC M275	520 TL M275
535 TL M420	550 TL M220	550 TL M320
550HE TL M320	550HE TL NAC M320	570 TL M300
600 TL M345	600HE TL M345	600HE TL NAC M345
605 TL M320	625 TL M275	625HE TL M275
625HE TL NAC M275	630 TL M360	630HE TL M360
630HE TL NAC M360	660 TL M345	690 TL M360
695 TL M275	730 TL M320	730HE TL M320
730HE TL NAC M320	750 TL M400	760 TL M300
800 TL M320	800 TL M345	800HE TL M345
800HE TL NAC M345	805 TL M420	840 TL M360
840HE TL M360	840HE TL NAC M360	880 TL M345
920 TL M360	1000 TL M400	1070 TL M420

Ingecon Sun PowerMax X series

275 TL X220	350 TL X275	380 TL X300
400 TL X320	410 TL X220	440 TL X345
460 TL X360	500 TL X400	520 TL X275
535 TL X420	550 TL X220	570 TL X300
605 TL X320	660 TL X345	690 TL X360
695 TL X275	750 TL X400	760 TL X300
800 TL X320	805 TL X420	880 TL X345
920 TL X360	1000 TL X400	1070 TL X420

Ingecon Sun Smart series

10kW	12.5kW	15kW
18kW	20kW	25kW
30kW	50kW	69kW
70kW	80kW	90kW
100kW		

Ingecon Sun Smart TL series

10 TL	12.5 TL	15 TL
18 TL		

Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF 20 / 25 / 30

Please contact Sales for details of compatibility with devices not listed.

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## IF 50 / 80 / 100

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF 50 / 80 / 100

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF500

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Please note Jema IF500 devices consist of two inverter modules. During the scan the blue'Log will create an inverter device for each inverter module.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

① Jema provides the value E\_TOTAL for each IF500 via the first inverter module. There are no E\_TOTAL values available for the individual inverter modules.

---

## SUPPORTED DEVICES

IF500

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF700

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF700

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF730

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF730

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF765

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF765

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF800

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---



## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF800

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF1050

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF1050

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF1100

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF1100

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF1150

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF1150

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IF1200

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IF1200

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## KACO new energy

### Blueplanet NX1 M2 Series

Beta version (see chapter „Beta version“)

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

#### ALARM MONITORING

Alarm monitoring:	Yes
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#### MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

blueplanet NX1 M2 series

blueplanet 3.0 NX1 M2

blueplanet 3.7 NX1 M2

blueplanet 4.0 NX1 M2

blueplanet 5.0 NX1 M2

Please contact Sales for details of compatibility with devices not listed.

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## Powador TL3, blueplanet (SunSpec)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please make sure to enable the "Modbus TCP write access" via the inverters display in case the devices should get used for Power Control.

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### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### blueplanet series

blueplanet 2.0 TL1	blueplanet 2.6 TL1	blueplanet 3.0 TL1
blueplanet 3.0 TL3	blueplanet 3.5 TL1	blueplanet 3.7 TL1
blueplanet 4.0 TL1	blueplanet 4.0 TL3	blueplanet 4.6 TL1
blueplanet 5.0 TL1	blueplanet 5.0 TL3	blueplanet 6.5 TL3
blueplanet 7.5 TL3	blueplanet 8.6 TL3	blueplanet 9.0 TL3
blueplanet 10.0 TL3	blueplanet 10.0 TL3 INT	blueplanet 10.0 TL3 M2
blueplanet 12.0 TL3	blueplanet 14.0 TL3	blueplanet 15.0 TL3
blueplanet 18.0 TL3	blueplanet 20.0 TL3	blueplanet 23.0 TL3
blueplanet 29.0 TL3 WM	blueplanet 30.0 TL3 WM	blueplanet 32.0 TL3 M1
blueplanet 32.0 TL3 M3	blueplanet 40.0 TL3 M1	blueplanet 40.0 TL3 M3
blueplanet 50.0 TL3	blueplanet 50.0 TL3 M1	blueplanet 50.0 TL3 M3
blueplanet 50.0 TL3 RPO	blueplanet 50.0 TL3 WM	blueplanet 60.0 TL3 M1
blueplanet 60.0 TL3 M3	blueplanet 60.0 TL3 WM	blueplanet 87 TL3
blueplanet 87.0 TL3 - S	blueplanet 92 TL3	blueplanet 92.0 TL3 - S
blueplanet 100 TL3	blueplanet 100.0 TL3 - S	blueplanet 105 TL3
blueplanet 105.0 TL3 - S	blueplanet 110 TL3	blueplanet 110 TL3 - S
blueplanet 125 TL3	blueplanet 125 TL3 - S	blueplanet 125 TL3 (C-Sample)
blueplanet 137 TL3	blueplanet 137 TL3 - S	blueplanet 150 TL3
blueplanet 150 TL3 - S	blueplanet 155 TL3	blueplanet 155 TL3 - S
blueplanet 165 TL3	blueplanet 165 TL3 - S	blueplanet gridsave 14.0 TL3
blueplanet gridsave 50 TL3 - I	blueplanet gridsave 50 TL3 - S	blueplanet gridsave 87 TL3 - S
blueplanet gridsave 92 TL3 - S	blueplanet gridsave 110 TL3 - S	blueplanet gridsave 125 TL3 - S
blueplanet gridsave 137 TL3 - S	blueplanet gs 50.0 TL3S - B/M	blueplanet gs 50.0 TL3S - L/XL
blueplanet gs 50.0 TL3S - SECL	bp voltage source 50 TL3	bp voltage source 50.0 TL3
BQ 125 TL3		

### Powador series

Powador 6.0 TL3	Powador 7.8 TL3	Powador 9.0 TL3
Powador 10.0 TL3	Powador 12.0 TL3	Powador 14.0 TL3
Powador 18.0 TL3	Powador 20.0 TL3	Powador 30.0 TL3
Powador 33.0 TL3	Powador 36.0 TL3	Powador 36.0 TL3 M1
Powador 37.5 TL3	Powador 39.0 TL3	Powador 39.0 TL3 M1
Powador 39.0 TL3 ZA	Powador 40.0 TL3	Powador 48.0 TL3
Powador 48.0 TL3 Park	Powador 50.0 TL3	Powador 60.0 TL3
Powador 72.0 TL3	Powador 72.0 TL3 Park	

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## Powador, blueplanet (KACO protocol)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	30
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	0.5 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Each of the following inverters 20000xi, 25000xi, 30000xi and 33000xi consists of three power modules which data need to be requested individually. Therefore the total amount of those inverters connected to one RS485 bus is limited to 12. (1 "xi" inverter = 1 device)

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is 1000 ms or higher.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### blueplanet series

blueplanet 2.0 TL1	blueplanet 2.6 TL1	blueplanet 3.0 TL1 M1
blueplanet 3.0 TL1 M2	blueplanet 3.0 TL3	blueplanet 3.5 TL1
blueplanet 3.7 TL1	blueplanet 4.0 TL1	blueplanet 4.0 TL3
blueplanet 4.6 TL1	blueplanet 5.0 TL1	blueplanet 5.0 TL3
blueplanet 6.5 TL3	blueplanet 7.5 TL3	blueplanet 8.6 TL3 INT
blueplanet 9.0 TL3	blueplanet 10.0 TL3 INT	blueplanet 15.0 TL3
blueplanet 20.0 TL3	blueplanet 29.0 TL3 WM	blueplanet 32.0 TL3 M1 OD
blueplanet 32.0 TL3 M3 OD	blueplanet 40.0 TL3 M1 OD	blueplanet 40.0 TL3 M3 OD
blueplanet 50.0 TL3 M1 OD	blueplanet 50.0 TL3 M3 OD	blueplanet 50.0 TL3 RPO
blueplanet 50.0 TL3 WM	blueplanet 60.0 TL3 M1 OD	blueplanet 60.0 TL3 M3 OD
blueplanet 87 TL3	blueplanet 92 TL3	blueplanet 100 TL3
blueplanet 105 TL3	blueplanet 110 TL3	blueplanet 125 TL3
blueplanet 137 TL3	blueplanet 150 TL3	blueplanet 155 TL3
blueplanet 165 TL3	blueplanet 750 TL3	blueplanet 875 TL3
blueplanet 1000 TL3	blueplanet 1502xi	blueplanet 2502xi
blueplanet 2901xi	blueplanet 3502xi	blueplanet 3601xi
blueplanet 5002xi	blueplanet 6400M	blueplanet 6400xi supreme
blueplanet 7600M	blueplanet 7600xi supreme	blueplanet gridsave 50.0 TL3
blueplanet gridsave 87 TL3-S	blueplanet gridsave 92 TL3-S	blueplanet gridsave 110 TL3-S
blueplanet gridsave 125 TL3-S	blueplanet gridsave 137 TL3-S	blueplanet PVI
blueplanet XP10U-H4	blueplanet XP10U-H6	blueplanet XP83U-H6
blueplanet XP90U-H6	blueplanet XP100U-H2	blueplanet XP100U-H4
blueplanet XP100U-H6	bp voltage source 50.0 TL3	BQ 125 TL3
PVI 1501i	PVI 2500i	PVI 2600-2.0
PVI 2600-2.6	PVI 3500i	PVI 4000
PVI 4000i	PVI 4500i	PVI 5000
PVI 5000i		



Powador series

blueplanet 23.0 TL3	blueplanet 30.0 TL3 WM	blueplanet 60.0 TL3 WM
blueplanet gridsave 14.0 TL3	blueplanet gridsave 50 TL3-I	blueplanet gridsave 50 TL3-S
blueplanet gs 50.0 TL3S-B/M	bp voltage source 50 TL3	Powador 6.0 TL3
Powador 7.8 TL3	Powador 9.0 TL3	Powador 10.0 TL3
Powador 12.0 TL3	Powador 14.0 TL3	Powador 14.0 TR3
Powador 16.0 TR3	Powador 18.0 TL3	Powador 18.0 TR3
Powador 20.0 TL3	Powador 30.0 TL3	Powador 30.0 TL3Y
Powador 33.0 TL3	Powador 36.0 TL3	Powador 36.0 TL3 M1
Powador 37.5 TL3	Powador 37.5 TL3Y	Powador 39.0 TL3
Powador 39.0 TL3 M1	Powador 39.0 TL3Y	Powador 40.0 TL3
Powador 48.0 TL3 Park	Powador 50.0 TL3	Powador 52.0 TL3
Powador 60.0 TL3	Powador 72.0 TL3 Park	Powador 78.0 TL3
Powador 1501xi	Powador 2002	Powador 2500xi
Powador 2501xi	Powador 3000 SE	Powador 3000xi
Powador 3002	Powador 3200	Powador 3500xi
Powador 3501xi	Powador 3600xi	Powador 4000 supreme
Powador 4000xi	Powador 4200	Powador 4202
Powador 4400	Powador 4500xi	Powador 4501xi
Powador 5000xi	Powador 5001xi	Powador 5002
Powador 5300	Powador 5300 supreme	Powador 5500
Powador 6002	Powador 6400 supreme	Powador 6400xi
Powador 6400xi Thinfilm	Powador 6400xi Thinfilm HV	Powador 6600
Powador 6650 supreme	Powador 6650xi	Powador 6650xi Thinfilm
Powador 6650xi Thinfilm HV	Powador 7200 supreme	Powador 7200xi
Powador 7200xi Thinfilm HV	Powador 7700	Powador 7700 supreme
Powador 7900	Powador 7900 supreme	Powador 8000 supreme
Powador 8000xi	Powador 8000xi Thinfilm	Powador 8000xi Thinfilm HV
Powador 8600	Powador 8600 supreme	Powador 9600
Powador 9600 supreme	Powador 20000xi	Powador 25000xi
Powador 30000xi	Powador 33000xi	Powador XP100 (100k)
Powador XP100 (XP100)	Powador XP100-HV	Powador XP200-HV
Powador XP200-HV TL	Powador XP250-HV	Powador XP250-HV TL
Powador XP350-HV TL	Powador XP500-HV TL	Powador XP500-HV TL OD
Powador XP550-HV TL	Powador XP550-HV TL OD	

Schueco series

SGI 9k	SGI 10k	SGI 12k
SGI 13,5k-T	SGI 15k-T	SGI 25k-02 Home
SGI 30k	SGI 30k-02 Home	SGI 33k
SGI 33k-02 Home	SGI 1500T	SGI 1500Tplus-02
SGI 2000	SGI 2000plus-02	SGI 2500
SGI 2500plus-02	SGI 2500Tplus-02	SGI 3000
SGI 3000plus-02	SGI 3500	SGI 3500plus-02
SGI 3500T	SGI 3500Tplus-02	SGI 4000
SGI 4000plus-02	SGI 4000Tplus-02	SGI 4500
SGI 4500plus-02	SGI 4500T	SGI 4500Tplus-02
SGI 5500	SGI 5500plus-02	

SunPower series

SPR-2600K-TL-1	SPR-3600K-TL-1	SPR-4600K-TL-1
SPR-5500K-TL-1	SPR-9000K-TL3	SPR-10000K-TL3
SPR-12500K-TL3		

Sunset series

SUN3Grid 3000  
SUN3Grid 4000-02  
SUN3Grid 6000  
SUN3Grid 8000-02  
SUNstring 4000  
SUNstring 5000-02

SUN3Grid 3000-02  
SUN3Grid 5000  
SUN3Grid 6000-02  
SUNstring 3000  
SUNstring 4000-02

SUN3Grid 4000  
SUN3Grid 5000-02  
SUN3Grid 8000  
SUNstring 3000-02  
SUNstring 5000

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	KOSTAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	0.2 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Only inverters with firmware version  $\geq 3.50$  support active Power Control.  
For reactive Power Control the inverters need to be equipped with firmware  $\geq 3.90$

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### PIKO series

PIKO 3.0	PIKO 3.6	PIKO 4.2
PIKO 4.6	PIKO 5.5	PIKO 5.5 10A
PIKO 7.0	PIKO 8.3	PIKO 8.5
PIKO 10	PIKO 10.1	PIKO 12
PIKO 15	PIKO 17	PIKO 20
PIKO 36 EPC		

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## PIKO IQ/PLENTICORE plus

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1502
Default address:	71
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Please note for Kostal inverters which provide battery values connection of maximum 50 devices to one blue'Log is possible.
- ① For certain devices the "Modbus byte order" can get selected via Modbus. The driver only supports the default byte order "big endian".

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### PIKO IQ series

PIKO IQ 3.0

PIKO IQ 4.2

PIKO IQ 5.5

PIKO IQ 7.0

PIKO IQ 8.5

PIKO IQ 10

### PLENTICORE plus series

PLENTICORE plus 3.0

PLENTICORE plus 4.2

PLENTICORE plus 5.5

PLENTICORE plus 7.0

PLENTICORE plus 8.5

PLENTICORE plus 10

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

500	630	750
1000	1250	

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## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① The driver supports the address range 1 to 32. The address 0 does not get supported. The maximum number of 32 devices can get connected to one bus interface.

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## POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

KSG1.5KSM3	KSG1KSM3	KSG2KSM3
KSG3.2KDM3	KSG3KSM3	KSG4KDM3
KSG5KDM3	KSG6KDM3/KSG10K	KSG12.5K
KSG15K	KSG17K	KSG20K
KSG25KHV	KSG30K	KSG36KHV
KSG40K	KSG50K	KSG50KHV
KSG60K	KSG60KHV	

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---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Up to 10 LTi String Combiner Boxes can get connected to a PVMaster II/ III inverter.

Depending on the amount of String Combiner Boxes connected the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x PVMaster II/ III with 10 LTi String Combiner Boxes = 11 devices).

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T	Temperature
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

LTI String Combiner Boxes

PVMaster II

PVMaster III

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

**POWER CONTROL**

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
 ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
 ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### BLOKK inverter

① Please note neom BLOKK solutions can consist of up to 10 batteries + 32 inverter devices (e.g. 1 battery + 4 inverters = 5 devices on blue'Log) . Depending on the neom BLOKK solution onsite the total amount of devices vary that can be connected to one blue'Log.

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	49
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	10

Timings	
Timeout:	5 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Power Electronics inverters consist of several inverter modules (up to 10) and Disconnecting Units (1 per inverter). Depending on the combination of modules and Disconnecting Units the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 Disconnecting Units = 8 devices).

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

② The driver does not support Measurement values of the "String Supervisor" from Power Electronics.

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## SUPPORTED DEVICES

### HE series

FS0100IH	FS0200IH	FS0230IH
FS0250IH	FS0280IH	FS0300IH
FS0340IH	FS0380IH	FS0400IH
FS0420IH	FS0460IH	FS0500IH
FS0501IH	FS0560IH	FS0570IH
FS0600IH	FS0630IH	FS0680IH
FS0700IH	FS0701IH	FS0750IH
FS0800IH	FS0801IH	FS0830IH
FS0880IH	FS0900IH	FS0910IH
FS0970IH	FS1000IH	FS1001IH
FS1030IH	FS1110IH	FS1130IH
FS1140IH	FS1250IH	FS1251IH
FS1390IH		

### HECplus series

FS1000OH	FS1003CH	FS1051CH
FS1112CH	FS1162CH	FS1201CH
FS1271CH	FS1331CH	FS1391CH
FS1401CH	FS1480CH	FS1550CH
FS1600CH	FS1620CH	FS1690CH
FS1770CH	FS1800CH	FS1850CH
FS1901CH	FS1991CH	FS2000CH
FS2081CH	FS2110CH	FS2200CH
FS2300CH		

### LVT series

FS0020T	FS0025T	FS0030T
FS0035T	FS0040T	FS0050T
FS0060T	FS0080T	FS0100T



Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## HEM series

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 6) and string combiner (1 per inverter).

Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 string combiner = 8 devices).

For a successful scan the inverter needs to be configured to one of the following operation modes: Standard, Modular or HEM. The operation mode STATCOM does not get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

HEM series series			
FS3190M	FS3270M		FS3350M
FS3430M	FS3510M		

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## HEMK series

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 6) and string combiner (1 per inverter).

Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 string combiner = 8 devices).

For a successful scan the inverter needs to be configured to one of the following operation modes: Standard, Modular or HEM. The operation mode STATCOM does not get supported.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### HEMK series series

FS2000K	FS2050K	FS2100K
FS2125K	FS2150K	FS2180K
FS2200K	FS2235K	FS2285K
FS2300K	FS2340K	FS2445K
FS3000K	FS3075K	FS3150K
FS3190K	FS3225K	FS3270K
FS3300K	FS3350K	FS3430K
FS3450K	FS3510K	FS3670K

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## RCT Power Inverter 4.0 / 5.0 / 6.0

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Inverter series

Power Inverter 4.0

Power Inverter 5.0

Power Inverter 6.0

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	31
Protocol:	USS_ETHERNET
Port:	21062
Default address:	0
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	USS_SERIAL
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	0
Timings	
Timeout:	0.5 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① If meteocontrol protocol is selected in the inverter settings, 8N1 (Data bits 8 bits / Parity None / Stop bit 1 bit) must be selected as frame settings for successful scanning.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Only inverters with software version  $\geq 29.21$  are supporting Power Control.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

 The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

### AE 3TL series

AE 3TL 8-IEC (CPV Gen 3)	AE 3TL 8-IEC (Gen 3)	AE 3TL 10-IEC (CPV Gen 3)
AE 3TL 10-IEC (Gen 3)	AE 3TL 10-KR	AE 3TL 12-UL (500V AFCI Gen 2)
AE 3TL 12-UL (500V Gen 2)	AE 3TL 12-UL (500V Gen 3)	AE 3TL 12-UL (1000V AFCI Gen 2)
AE 3TL 12-UL (1000V Gen 2)	AE 3TL 12-UL (1000V Gen 3)	AE 3TL 13-IEC (CPV Gen 2)
AE 3TL 13-IEC (CPV Gen 3)	AE 3TL 13-IEC (Gen 2)	AE 3TL 13-IEC (Gen 3)
AE 3TL 13-KR	AE 3TL 16-UL (500V AFCI Gen 2)	AE 3TL 16-UL (500V Gen 2)
AE 3TL 16-UL (500V Gen 3)	AE 3TL 16-UL (1000V AFCI Gen 2)	AE 3TL 16-UL (1000V Gen 2)
AE 3TL 16-UL (1000V Gen 3)	AE 3TL 17-IEC (CPV Gen 2)	AE 3TL 17-IEC (CPV Gen 3)
AE 3TL 17-IEC (Gen 2)	AE 3TL 17-IEC (Gen 3)	AE 3TL 17-KR
AE 3TL 20-IEC (CPV Gen 2)	AE 3TL 20-IEC (CPV Gen 3)	AE 3TL 20-IEC (Gen 2)
AE 3TL 20-IEC (Gen 3)	AE 3TL 20-KR	AE 3TL 20-UL (500V AFCI Gen 2)
AE 3TL 20-UL (500V Gen 2)	AE 3TL 20-UL (500V Gen 3)	AE 3TL 20-UL (1000V AFCI Gen 2)
AE 3TL 20-UL (1000V Gen 2)	AE 3TL 20-UL (1000V Gen 3)	AE 3TL 23-IEC (Gen 2)
AE 3TL 23-IEC (MV Gen 3)	AE 3TL 23-KR (MV)	AE 3TL 23-UL (500V AFCI Gen 2)
AE 3TL 23-UL (500V Gen 2)	AE 3TL 23-UL (500V Gen 3)	AE 3TL 23-UL (1000V AFCI Gen 2)
AE 3TL 23-UL (1000V Gen 2)	AE 3TL 23-UL (1000V Gen 3)	AE 3TL 24-JP (1000V)
AE 3TL 24-UL (1000V Gen 3)	AE 3TL 40-IEC	AE 3TL 40-KR
AE 3TL 46-IEC (MV)	AE 3TL 46-KR (MV)	

### Equinox LC series

Equinox LC CE 8kw	Equinox LC CE 10kw	Equinox LC CE 13kw
Equinox LC CE 17kw	Equinox LC CE 20kw	Equinox LC UL 12kw
Equinox LC UL 16kw	Equinox LC UL 20kw	Equinox LC UL 24kw

### IPE series

IPE 010 CN 04	IPE 013 CN 04	IPE 017 CN 04
IPE 020 CN 04	IPE 8000 SN 04 SN 04	

### LSRP series

LSRP-T010L	LSRP-T013L	LSRP-T017L
LSRP-T020L		

REFUsoI series

REFUsoI 008K	REFUsoI 08K	REFUsoI 008K (CPV)
REFUsoI 10K	REFUsoI 010K	REFUsoI 010K (CPV)
REFUsoI 10K with Performer	REFUsoI 10K with Performer (Belgium)	REFUsoI 11K
REFUsoI 12K	REFUsoI 12K grounded	REFUsoI 12K with Performer
REFUsoI 012K-UL	REFUsoI 013K	REFUsoI 13K
REFUsoI 013K (CPV)	REFUsoI 15K	REFUsoI 15k control cabinet
REFUsoI 15K grounded Modules	REFUsoI 15K with Performer	REFUsoI 15K without DC switch
REFUsoI 016K	REFUsoI 016K-UL	REFUsoI 017K
REFUsoI 17K	REFUsoI 017K (CPV)	REFUsoI 020K
REFUsoI 20K	REFUsoI 020K (CPV)	REFUsoI 020K (SCI)
REFUsoI 020K grounded Modules	REFUsoI 20K-2T	REFUsoI 020K-UL
REFUsoI 22-JP	REFUsoI 023K-460 VAC	REFUsoI 23K-MV
REFUsoI 24-UL	REFUsoI 24-UL (AFCl)	REFUsoI 024K-UL
REFUsoI 33K-2T	REFUsoI 40K	REFUsoI 46K-MV
REFUsoI 48K-UL	REFUsoI 48K-UL (AFCl)	REFUsoI 50K-3T
REFUsoI 100K	REFUsoI 100KW	REFUsoI 100KW 430VDC Spain
REFUsoI 100KW DE	REFUsoI 100KW ES	REFUsoI 100KW IT
REFUsoI 160KW	REFUsoI 333K	REFUsoI 500KW
REFUsoI 630K	REFUstore 50K	REFUstore 50K-PC
REFUstore 88K	REFUstore 88K-PC	

SINVERT PVM series

SINVERT PVM10	SINVERT PVM12 UL	SINVERT PVM13
SINVERT PVM16 UL	SINVERT PVM17 4DC	SINVERT PVM17 6DC
SINVERT PVM20	SINVERT PVM20 UL	SINVERT PVM24 UL

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

RS 1.5	RS 2.0	RS 3.0
RS 4.0	RS 5.0	RS 6.0
RS 6.0 T	RS 10.0 T	RS 15.0 T
RS 20.0 T	RS 25.0 T	RS 30.0 T

Please contact Sales for details of compatibility with devices not listed.

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**COMMUNICATION**

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

**Timings**

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

**POWER CONTROL**

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
 ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
 ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

Suntrio Plus

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Sunway TG series

Sunway TG 14 600V	Sunway TG 19 600V	Sunway TG 26 600V
Sunway TG 35 800V	Sunway TG 42 600V	Sunway TG 57 800V
Sunway TG 61 600V	Sunway TG 82 800V	Sunway TG 82 800V LT
Sunway TG 90 600V	Sunway TG 100 800V	Sunway TG 110 600V
Sunway TG 120 800V	Sunway TG 120 800V LT	Sunway TG 135 600V
Sunway TG 145 800V	Sunway TG 145 800V LT	Sunway TG 175 800V TE
Sunway TG 180 600V TE	Sunway TG 230 600V TE	Sunway TG 240 800V TE
Sunway TG 280 600V TE	Sunway TG 290 600V TE	Sunway TG 300 800V TE
Sunway TG 310 800V TE	Sunway TG 365 600V TE	Sunway TG 385 800V TE
Sunway TG 455 600V TE	Sunway TG 485 800V TE	Sunway TG 550 600V TE
Sunway TG 610 800V TE	Sunway TG 610 1000V TE	Sunway TG 610 1000V TE LT
Sunway TG 610 1100V TE	Sunway TG 730 800V TE	Sunway TG 750 900V TE
Sunway TG 750 1000V TE	Sunway TG 760 1000V TE	Sunway TG 900 1500V TE
Sunway TG 1200 1000V TE	Sunway TG 1200 1100V TE	Sunway TG 1800 1500V TE

Please contact Sales for details of compatibility with devices not listed.

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**COMMUNICATION**

Communication interface: Ethernet  
 Max. number of devices: 100  
 Protocol: ModbusTCP  
 Port: 502  
 Default address: 1  
 Remote Device Access: No

Communication interface: RS485  
 Max. number of devices per bus: 100  
 Protocol: ModbusRTU  
 Bus speed: 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps  
 Bus speed default: 9600 bps  
 Frame settings: 7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2  
 Frame settings default: 8N1  
 Default address: 1

Timings  
 Timeout: 1 seconds  
 Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

**POWER CONTROL**

Active power constraint: Yes  
 Fast stop: Yes  
 Reactive power control - Q control: No  
 Power factor control - Cos φ control: Yes  
 Reactive power compensation (beyond feed-in operation): No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
 ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
 ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring: Yes

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PowerGate Plus 30

PowerGate Plus 50

PowerGate Plus 75

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

PowerGate Plus 100  
PowerGate Plus 375

PowerGate Plus 135  
PowerGate Plus 500

PowerGate Plus 250

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	54
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Inverters of the Schneider Electric Conext CL 18/20/25 kVA series support different reactive power methods depending on the country setting of the inverter. (please see inverter manufacturer documentation for more information).

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Conext CL series

Conext CL 60A  
PVSC18NA  
PVSC25NA

Conext CL 60E  
PVSC20E

Conext CL 125  
PVSC25E

### Conext CL 36 series

Conext CL 36

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	80
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	Yes

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① You must activate the PVCQ mode from the inverter via user interface to use the Remote power compensation function.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

Conext Core XC series

XC540	XC540-BB	XC630
XC630-BB	XC680	XC680-BB

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	0.01 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Schneider Electric Conext Smartgen inverters consist of 2 inverter modules and one meter. Therefore the total amount of Smartgen inverters is limited to 33. (33 x 3 submodules = 99 devices).
- ① Please note that IP address range from 192.168.0.0 to 192.168.0.255 is reserved by Schneider Electric Conext SmartGen inverters. Please make sure that IP addresses in this range do not get used by other devices.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
P_AC	Power AC
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

- ① The actually recorded values may vary due to the device model or the device firmware.
  - ① The values from the meter module (M\_XX\_XX) are displayed in the meter device category.
- 

### *SUPPORTED DEVICES*

#### Conext SmartGen CE series

CS1800	CS2000	CS2200
CS2400		

#### Conext SmartGen NA series

CS1666-1-NA	CS1666-2-NA	CS1666-3-NA
CS1800	CS2000	CS2200
CS2400		

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

BG1K5TL	BG2K2TL	BG3KTL
BG4KTL	BG4KTR	BG4KTR-S
BG5KTL	BG5KTR	BG5KTR-S
BG6KTL	BG6KTR	BG8KTR
BG10KTR	BG12KTR	BG15KTR
BG17KTR	BG20KTR	BG25KTR
BG30KTR	BG33KTR	BG35KTR
BG40KTR	BG40KTR-HV	BG50KTR
BG50KTR-HV	BG50KTR-LD	BG60KTR
BG60KTR-LD	BG70KTR	BG70KTR-LD
BG80KTR-MD	EG4K6TL	EG4K6TL-2M
EG4KTL	EG4KTL-2M	EG5KTL
EG5KTL-2M	MG1K5TL	MG1KTL
MG2KTL	MG3KTL	MG3KTL-2M
MG4K6TL	MG4K6TL-2M	MG4KTL
MG4KTL-2M	MG5KTL	MG5KTL-2M
MG6KTL-2M	MG750TL	

Please contact Sales for details of compatibility with devices not listed.

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## SIEL

### 10TL Solar Inverter

Beta version (see chapter „Beta version“)

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#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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#### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

 The actually recorded values may vary due to the device model or the device firmware.

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### SUPPORTED DEVICES

SolarInverter 10 TL	SolarInverter 80 TL	SolarInverter 100 TL
SolarInverter 125 TL	SolarInverter 200 TL	SolarInverter 250 TL
SolarInverter 400 TL	SolarInverter 500 TL	

Please contact Sales for details of compatibility with devices not listed.

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## Monophase Solar Inverter

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC	Current AC
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.



## *SUPPORTED DEVICES*

Monophase Solar Inverter

Please contact Sales for details of compatibility with devices not listed.

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## Solar Converter

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

Solar Converter

Please contact Sales for details of compatibility with devices not listed.

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**COMMUNICATION**

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

**Timings**

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

**POWER CONTROL**

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
 ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
 ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	Yes
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**MEASUREMENT VALUES RECORDED**

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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### *SUPPORTED DEVICES*

Soleil 10	Soleil 15	Soleil 20
Soleil 25	Soleil 30	Soleil 40
Soleil 50	Soleil 60	Soleil 80
Soleil 100	Soleil 125	Soleil 200
Soleil 250	Soleil DSPx	

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SE100

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## SMA

### SC (SMA Data)

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#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	31
Protocol:	SMA_DATA_ETHERNET
Port:	24272
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SMA_DATA
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

#### Timings

Timeout:	10 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① In case String Boxes from SMA should be connected to inverters from SMA the blue'Log would automatically create a string combiner device for every String Box connected during the inverter scan.

Depending on the amount of string boxes connected to each inverter the total amount of devices varies that can be connected to one blue'Log.

e.g. 1 x SMA inverter + 5 x String boxes = 6 devices for the blue'Log

---

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---



## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### SC series

SC 100	SC 100LV	SC 125LV
SC 150	SC 200	SC 200HE
SC 250	SC 250HE	SC 350
SC 350HE	SC 400HE-11	SC 400LV-11
SC 500HE	SC 500HE-10	SC 500HE-11
SC 560HE	SC 560HE-10	SC 560HE-11
SC 630HE-10	SC 630HE-11	

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---

## SHP3, STP, SB, SBS, SI (SunSpec)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

#### Timings

Timeout:	10 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① SMA inverters require Speedwire/Webconnect interfaces for communication via SMA SunSpec.

In addition, the Modbus TCP server of the inverters needs to be activated, since this is deactivated at the factory for the supported SMA devices (please see inverter manufacturer documentation for more information).

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos  $\phi$  control" via Modbus. The inverters do not support the switch between those methods via Modbus.

① Before being able to do Power Control with SMA inverters it is necessary to set the Power Control mode (P\_AC, Q\_AC, COS\_PHI) at the inverters.

① Please note models from the series Sunny Highpower PEAK3 have an active power threshold configured per default, which prevents reactive power control below this threshold. Please get in touch with SMA in case this threshold needs to be adjusted.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

① The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

### Sunny Highpower PEAK3 series

SHP 100-20	SHP 100-JP-20	SHP 125-US-20
SHP 150-20	SHP 150-JP-20	SHP 150-US-20

### Sunny Island series

Sunny Island 3.0M	Sunny Island 4.4M	Sunny Island 6.0H
Sunny Island 8.0H		

### Sunny Tripower series

STP 3.0	STP 4.0	STP 5.0
STP 6.0	STP 8.0	STP 10.0
STP 50-40 (CORE1)	STP 50-JP-40 (CORE1-JP)	STP 50-US-40 (CORE1-US)
STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL-20	STP 9000TL-20	STP 10000TL-10
STP 10000TL-20	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
STP 11000TL-20	STP 12000TL-10	STP 12000TL-20
STP 12000TL-US-10	STP 15000TL-10	STP 15000TL-30
STP 15000TL-US-10	STP 15000TLEE-10	STP 17000TL-10
STP 20000TL-30	STP 20000TL-US-10	STP 20000TLEE-10
STP 20000TLEE-JP-11	STP 24000TL-US-10	STP 25000TL-30
STP 25000TL-JP-30	STP 30000TL-US-10	STP33-US-41 (STP33-US-41)
STP50-41 (STP50-41)	STP50-JP-41 (STP50-JP-41)	STP50-US-41 (STP50-US-41)
STP62-US-41 (STP62-US-41)		

### SunnyBoy series

SB 2500TLST-21	SB 3000TL-21	SB 3000TL-US-22
SB 3000TLST-21	SB 3500TL-JP-22	SB 3600SE-10
SB 3600TL-21	SB 3800TL-US-22	SB 4000TL-21
SB 4000TL-US-22	SB 4500TL-JP-22	SB 5000SE-10
SB 5000TL-21	SB 5000TL-US-22	SB 6000TL-US-22
SB 7000TL-US-22	SB 7700TL-US-22	SB1.5-1VL-40
SB2.5-1VL-40	SB3.0-1AV-40	SB3.0-1SP-US-40
SB3.6-1AV-40	SB3.8-1SP-US-40	SB4.0-1AV-40
SB5.0-1AV-40	SB5.0-1SP-US-40	SB6.0-1SP-US-40
SB7.0-1SP-US-40	SB7.7-1SP-US-40	

### SunnyBoy Storage series

SBS2.5-1VL-40
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## SMA Modbus

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	3
Remote Device Access:	No

#### Timings

Timeout:	10 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Please note when connecting SMA Sunny Islands the total amount of devices varies that can be connected to one blue'Log. 1 x Sunny Island consists of 1 x inverter, 1 x battery and 1 x meter device on the blue'Log. The blue'Log will automatically set up the devices during the scan.
- ① Please note only Client / Slave IDs from 3-123 are supported by SMA.
- ① Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos  $\phi$  control" via Modbus. The inverters do not support the switch between those methods via Modbus.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos  $\phi$  control" via Modbus. The inverters do not support the switch between those methods via Modbus.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_U_DISCHARGE	Discharge end voltage
B_OT_TOTAL	Operating Hours
B_SOH	State of health
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

Sunny Highpower PEAK1 series

SHP 100-20 (SHP 100k-20)  
SHP 150-20 (SHP 150k-20)

SHP 100-JP-20 (SHP 100k-JP-20)  
SHP 150-JP-20 (SHP 150k-JP-20)

SHP 125-US-20 (SHP 125k-US-20)  
SHP 150-US-20 (SHP 150k-US-20)

Sunny Island series

SI3.0M-11	SI4.4M-11	SI4.4M-12
SI4.4M-13	SI6.0H-11	SI6.0H-12
SI6.0M-13	SI8.0H-11	SI8.0H-12
SI8.0M-13		

Sunny Tripower series

STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL-10	STP 8000TL-20	STP 9000TL-20
STP 10000TL-10	STP 10000TL-20	STP 10000TLEE-JP-10
STP 10000TLEE-JP-11	STP 11000TL-20	STP 12000TL-10
STP 12000TL-20	STP 12000TL-US-10	STP 15000TL-10
STP 15000TL-30	STP 15000TL-US-10	STP 15000TLEE-10
STP 17000TL-10	STP 20000TL-30	STP 20000TL-US-10
STP 20000TLEE-10	STP 20000TLEE-JP-11	STP 24000TL-US-10
STP 24500TL-JP-30	STP 25000TL-30	STP 25000TL-JP-30
STP 30000TL-US-10	STP33-US-41 (STP33-US-41)	STP50-40 (STP50-40)
STP50-41 (STP50-41)	STP50-JP-40 (STP50-JP-40)	STP50-JP-41 (STP50-JP-41)
STP50-US-40 (STP50-US-40)	STP50-US-41 (STP50-US-41)	STP62-US-41 (STP62-US-41)

SunnyBoy series

SB 1.5	SB 2.5	SB 2500TLST-21
SB 3000TL-21	SB 3000TL-JP-22	SB 3000TL-US-22
SB 3000TLST-21	SB 3500TL-JP-22	SB 3600SE-10
SB 3600TL-21	SB 3800TL-US-22	SB 4000TL-21
SB 4000TL-JP-22	SB 4000TL-US-22	SB 4500TL-JP-22
SB 5000SE-10	SB 5000TL-21	SB 5000TL-US-22
SB 5400TL-JP-22	SB 6000TL-US-22	SB 7000TL-US-22
SB 7700TL-US-22		

SunnyBoy Storage series

SBS 2.5

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	84
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.01 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SOLID-Q 50

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## SOLID-Q PRO 60

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	84
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SOLID-Q PRO 60

Please contact Sales for details of compatibility with devices not listed.

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---

## STP 60, STPS 60, SHP 1 (SunSpec)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① For communication with the inverters a SMA Inverter Manager is required.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	No
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

- ① The actually recorded values may vary due to the device model or the device firmware.

### SUPPORTED DEVICES

Sunny Highpower PEAK1 series	
SHP 75-10	SHP 75-JP-10
Sunny Tripower series	
STP 60-10	STP 60-JP-10
Sunny Tripower Storage series	
STPS 60-10	

Please contact Sales for details of compatibility with devices not listed.

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## STP 110-60 (Core2)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

STP 110-60 (Core2)

Please contact Sales for details of compatibility with devices not listed.

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## STP, SB, SMC (SMA Data)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SMA_DATA
Bus speed:	1200 bps, 19200 bps
Bus speed default:	1200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

#### Timings

Timeout:	10 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteorology recommendation is to choose a slower controller sample time than 500 ms.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

② For each device it takes about 2-3 minutes after the SCAN process is finished before the monitoring of the measurement values starts.

## SUPPORTED DEVICES

### SUNNY BOY series

SB 700-US	SB 1200	SB 1500TL
SB 1700	SB 2000HF	SB 2000HF-US
SB 2100TL	SB 2500	SB 2500HF
SB 2500HF-US	SB 3000	SB 3000-US
SB 3000HF	SB 3000TL	SB 3000TL RPC
SB 3000TLST-21	SB 3300	SB 3800
SB 3800-US	SB 4000-US	SB 4000TL
SB 4000TL RPC	SB 5000-US	SB 5000TL
SB 5000TL RPC	SB 6000-US	SB 7000-US
SB 8000-US	SB 8000TL-US	SB 9000TL-US
SB 10000TL-US	SB 11000TL-US	SB3.0-1AV-41
SB3.6-1AV-41	SB4.0-1AV-41	SB5.0-1AV-41
SB6.0-1AV-41		

### SUNNY MINI CENTRAL series

SMC 4600A	SMC 5000A	SMC 6000A
SMC 6000TL	SMC 7000HV	SMC 7000TL
SMC 8000TL	SMC 9000TL	SMC 9000TL RPC
SMC 10000TL	SMC 10000TL RPC	SMC 11000TL
SMC 11000TL RPC		

### SUNNY TRIPOWER series

STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL	STP 8000TL-20	STP 9000TL-20
STP 10000TL-20	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
STP 12000TL	STP 12000TL-20	STP 12000TL-US-10
STP 15000TL-10 Econ. Exc.	STP 15000TL-30	STP 15000TL-US
STP 17000TL	STP 20000TL-10 Econ. Exc.	STP 20000TL-30
STP 20000TL-US-10	STP 20000TLEE-JP	STP 24000TL-US-10
STP 25000TL-30	STP 30000TL-US-10	STP3.0-3AV-40
STP4.0-3AV-40	STP5.0-3AV-40	STP6.0-3AV-40
STP8.0-3AV-40	STP10.0-3AV-40	

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	3
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① blue'Log IP address must be added to the Modbus whitelist of the inverter. Otherwise the Modbus read and write requests will be blocked from the inverter and the communication between blue'Log and inverter doesn't work. Either enter the IP Address manually or activate the learning mode of the inverter which is then 24 h active. The features "GSM" and "READ" must be active.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.
- ① Find below mapping for T (1,...x):
  - T1 = Temperature in the AC range
  - T2 = Temperature in the DC range
  - T3 = Temperature in the electronics area
  - T4 = Temperature of the MV transformer

---

## SUPPORTED DEVICES

### Sunny Central series

SC-1760US	SC-1850US	SC-2000EV-US
SC-2000US	SC-2200	SC-2200US
SC-2260UP	SC-2475	SC-2500EV
SC-2500EV-US	SC-2660UP	SC-2750EV
SC-2750EV-US	SC-2800UP	SC-2930UP
SC-3000EV	SC-3060UP	SC-4000UP
SC-4000UP-US	SC-4200UP	SC-4200UP-US
SC-4400UP	SC-4400UP-US	SC-4600UP
SC-4600UP-US		

Please contact Sales for details of compatibility with devices not listed.

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## Sunny Central (CP, CP-US, CP-JP, HE)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	Yes

#### Timings

Timeout:	5 seconds
Delay:	0.25 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Recommendation for 1 minute interval data is to limit the maximum number of devices per WebBox / SC-COM to 6. (typical 1 Inverter and 5 String Monitoring Units)
- 

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① Power Control is only supported if the inverter is equipped with SC-COM. If the inverter is equipped with WebBox please contact SMA service about an upgrade to SC-COM.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Sunny Central series

SC 250HE	SC 400HE-11	SC 500CP
SC 500CP-JP	SC 500CP-US	SC 500CP-US 600V
SC 500HE-10 / SC 500HE-11	SC 500HE-20	SC 630CP
SC 630CP-JP	SC 630CP-US	SC 630HE-11
SC 630HE-20	SC 720CP	SC 720CP-US
SC 720HE-20	SC 750CP-US	SC 760CP
SC 760HE-20	SC 800CP	SC 800CP-JP
SC 800CP-US	SC 800HE-20	SC 850CP
SC 850CP-US	SC 900CP	SC 900CP-US
SC 1000CP		

Please contact Sales for details of compatibility with devices not listed.

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## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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## POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

P02	P03	P33 TR
P66 TL	P66 TL1K	P66 TR
P100 TL	P100 TL1K	P100 TR

Please contact Sales for details of compatibility with devices not listed.

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## SOFARSOLAR

### SOFAR / ME / HYD

Beta version (see chapter „Beta version“)

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#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	8
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.5 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Please note for connection via Modbus TCP/Modbus RTU some inverters from SOFARSOLAR only support Client (Slave IDs) / bus addresses from 1-31. Please check with SOFARSOLAR for more information.

---

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

### 1.1-3.3KW String Inverter 3rd (Single Phase) series

SOFAR 1100TL-G3	SOFAR 1600TL-G3	SOFAR 2200TL-G3
SOFAR 2700TL-G3	SOFAR 3000TL-G3	SOFAR 3300TL-G3

### 3-6KW String Inverter 3rd (Single Phase) series

SOFAR 3.6KTLM-G3	SOFAR 3KTLM-G3	SOFAR 4.6KTLM-G3
SOFAR 4KTLM-G3	SOFAR 5KTLM-G3	SOFAR 6KTLM-G3

### 3-7.5KW String Inverter 2nd (Dual MPPT) series

SOFAR 3.6KTLM-G2	SOFAR 3KTLM-G2	SOFAR 4.6KTLM-G2
SOFAR 4KTLM-G2	SOFAR 5KTLM-G2	SOFAR 6KTLM-G2
SOFAR 7.5KTLM		

### 3-12KW String Inverter 3rd (Three Phase) series

SOFAR 3.3KTLX-G3	SOFAR 4.4KTLX-G3	SOFAR 5.5KTLX-G3
SOFAR 5KTLX-G3(Australia)	SOFAR 6.6KTLX-G3	SOFAR 8.8KTLX-G3
SOFAR 10KTLX-G3(Australia)	SOFAR 11KTLX-G3	SOFAR 12KTLX-G3

### 3.3-12KW String Inverter (Three Phase) series

SOFAR 3.3KTL-X	SOFAR 4.4KTL-X	SOFAR 5.5KTL-X
SOFAR 5KTL-X(Only For Australia)	SOFAR 6.6KTL-X	SOFAR 8.8KTL-X
SOFAR 11KTL-X	SOFAR 12KTL-X	

10-15KW String Inverter 2nd(Three Phase) series	SOFAR 10000TL-G2	SOFAR 12000TL-G2	SOFAR 15000TL-G2
10-20KW String Inverter (Three Phase) series	SOFAR 10000TL	SOFAR 15000TL	SOFAR 17000TL
	SOFAR 20000TL		
15-24KW String Inverter 3rd (Three Phase) series	SOFAR 15KTLX-G3	SOFAR 17KTLX-G3	SOFAR 20KTLX-G3
	SOFAR 22KTLX-G3	SOFAR 24KTLX-G3	
20-33KW String Inverter 2nd (Three Phase) series	SOFAR 20000TL-G2	SOFAR 25000TL-G2	SOFAR 30000TL-G2
	SOFAR 33000TL-G2		
30-40KW String Inverter (Three Phase) series	SOFAR 30000TL	SOFAR 33000TL	SOFAR 36000TL
	SOFAR 40000TL		
50-70KW String Inverter (Three Phase) series	SOFAR 50000TL	SOFAR 60000TL	SOFAR 70000TL-HV
80-136KW String Inverter (Three Phase) series	SOFAR 80KTL	SOFAR 100KTL	SOFAR 100KTL-HV
	SOFAR 125KTL-HV	SOFAR 136KTL-HV	
255KW String Inverter (Twelve MPPTs) series	SOFAR 250KTL-HV	SOFAR 255KTL-HV	
Hybrid 3K-6K-EP series	HYD 3000-EP	HYD 3680-EP	HYD 4000-EP
	HYD 4600-EP	HYD 5000-EP(Australia)	HYD 5500-EP
	HYD 6000-EP		
Hybrid Inverter 5K-20KTL-3PH series	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH
	HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH

Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Only CCGs with firmware 3.2462 or higher get supported.
- 

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ① If Q control is required you can use the blue'Log feature "Correction value conversion". If you select the option "cos  $\phi$  correction value" Q setpoints from the grid operator will be converted to cos  $\phi$  value.
  - ① Active/reactive power control is supported by all inverters with firmware 4.xx.xx. An exact list of supported inverters with firmware 3.xx.xx is available from the inverter manufacturer.
  - ① Please contact SolarEdge support for a documentation describing the specific configuration in order to accept Power Control commands of the blue'Log.
  - ① After saving a new power control setting on blue'Log it may lead to a stop in production of the SolarEdge inverters of up to 10 seconds.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### SE series

SE3K	SE4K	SE5K
SE6K	SE7K	SE8K
SE9K	SE10K	SE10KUS
SE12.5K	SE15K	SE16K
SE17K	SE20KUS	SE25K
SE27.6K	SE30K	SE33.3K
SE33.3KUS	SE50K	SE55K
SE66.6K	SE82.8K	SE100K
SE1000M	SE1500M	SE2000M
SE2200H	SE3000H	SE3500H
SE3680H	SE4000H	SE5000H

ⓘ Meters connected to the CCG do not get supported.

Please contact Sales for details of compatibility with devices not listed.

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## SolarMax

### SolarMax Inverter (MaxComm Protocol)

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#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	MAX_COMM_ETHERNET
Port:	12345
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	MAX_COMM_SERIAL
Bus speed:	9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	3 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
  - ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
  - ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.
- C series string inverters (2000C - 6000C) don't support Power Control.  
S, P, and TP series string inverters support only active Power Control.  
C, C-SV, S, and TS (not TS-SV) series central inverters support only active Power Control.  
6MT2 CH, 12MT2 A, 15MT3 A and 18MT3 A inverters support only active Power Control.  
Only 330, 660, 990, 1320 TS-SV inverters with software version  $\geq 1.0.16053$  are supporting PowerControl.  
Only 360, 720, 1080, 1440 TS-SV inverters with software version  $\geq 1.0.16086$  are supporting PowerControl.  
Only MT inverters with software version  $\geq 1.0.16830$  are supporting PowerControl.  
Only P inverters with software version  $\geq 2.1.0$  are supporting active PowerControl.
-

## ALARM MONITORING

Alarm monitoring: Yes

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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Central inverters series

20	20C	25C
30	30C	35C
40	45	50C
50TS	60	75TS A
80C	80TS	100
100C	100TS	125
300C	300TS MT	300TS ST
330C-SV	330TS-SV MT	330TS-SV ST
360TS-SV	360TS-SV MT	360TS-SV ST
660TS-SV MT	660TS-SV ST	720TS-SV MT
720TS-SV ST	990TS-SV MT	990TS-SV ST
1080TS-SV MT	1080TS-SV ST	1320TS-SV MT
1320TS-SV ST	1440TS-SV MT	1440TS-SV ST

String inverters series

4TP	5TP2	6MT2
6MT2 CH	6SMT	6TP2
7TP2	8MT2	8SMT
10MT	10MT2	10SMT
12MT2 A	13MT2	13MT3
13SMT	15MT2	15MT3
15MT3 A	15SMT	17SHT
18MT3 A	18MT3 SV	20HT2
20HT4	20S	20SHT
22SHT	25HT2	25HT4
25SHT	28SHT	30HT4
30S	30SHT	32HT2
32HT4	35S	50SHT
50SHT-S	60SHT	60SHT-S
1000SP	1500SP	2000
2000C	2000E	2000P
2000S	2000SP	2500SP
3000	3000C	3000E
3000P	3000S	3000SP
3600SP	4000	4000C
4000E	4000P	4000SP
4200C	4200S	4600P
4600SP	5000P	5000SP
6000C	6000E	6000S
6000SP		

Please contact Sales for details of compatibility with devices not listed.

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## SolarMax SGA / SXT / SPL / ES-H

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	8
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.5 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Please note for connection via Modbus TCP/Modbus RTU some inverters from SolarMax only support Client (Slave IDs) / bus addresses from 1-31. Please check with SolarMax for more information.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### SOLARMAX ES-H series

5ES-H	6ES-H	8ES-H
10ES-H	15ES-H	20ES-H

### SOLARMAX SGA series

1100SGA	1600SGA	2200SGA
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### SOLARMAX SPL series

3SPL	4SPL	5SPL
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### SOLARMAX SXT series

110SXT	255SXT-800V
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Please contact Sales for details of compatibility with devices not listed.

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## Solax Power X3 Hybrid

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① In order to use the "Fast stop" feature on the blue'Log it is necessary to enable the functionality at the Solax inverters first. To enable "Fast stop" the "Inverter advanced interface password" has to be send via Modbus to register "0" by using function code 6.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

 The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### X3 Hybrid series

X3-Hybrid-5.0-D-C	X3-Hybrid-5.0-D-E	X3-Hybrid-5.0-N-C
X3-Hybrid-5.0-N-E	X3-Hybrid-6.0-D-C	X3-Hybrid-6.0-D-E
X3-Hybrid-6.0-N-C	X3-Hybrid-6.0-N-E	X3-Hybrid-8.0-D-C
X3-Hybrid-8.0-D-E	X3-Hybrid-8.0-N-C	X3-Hybrid-8.0-N-E
X3-Hybrid-10.0-D-C	X3-Hybrid-10.0-D-E	X3-Hybrid-10.0-N-C
X3-Hybrid-10.0-N-E		

Please contact Sales for details of compatibility with devices not listed.

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---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

**Timings**

Timeout:	5 seconds
Delay:	0.025 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Sungrow Turnkey Stations consist of several module/inverter units. This affects the total amount of devices that can be connected to the blue'Log. This station consists of 4 devices (3 inverter and 1 string combiner).

**POWER CONTROL**

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

SG3125HV	SG3125HV-MV	SG3150U
SG3400HV	SG3400HV-MV	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## SG1 - SG250 (string inverter)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8O2, 8N1, 8N2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Direct connection via Modbus TCP of capable Sungrow inverters to blue'Log does not get recommended.

① For connection of blue'Log to Sungrow inverters via Sungrow Logger1000/3000 the below software versions are required for the Sungrow Loggers:

-Logger3000: LOGGER-SV200.001.00.P003

-Logger1000: LOGGER-SV300.001.00.P003

In case blue'Log should get connected via RS485 to Sungrow Logger1000/3000 recommendation is to not connect more than 20 inverters to a single RS485 interface of the Logger1000/3000.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### String Inverter series

LP_P34KSG	SG2K5-S	SG3.0RT
SG3K6-D	SG3KTL-EC	SG4.0RT
SG4K6-D	SG4KTL	SG4KTL-EC
SG5.0RT	SG5KTL-EC	SG5KTL-MT
SG6.0RT	SG6KTL-EC	SG6KTL-MT
SG7.0RT	SG8.0RT	SG8KTL-EC
SG8KTL-M	SG10KTL	SG10KTL-EC
SG10KTL-M	SG10KTL-MT	SG10RT
SG12KTL	SG12KTL-EC	SG12KTL-M
SG12RT	SG15KTL	SG15KTL-M
SG15RT	SG16K6J	SG17KTL-M
SG17RT	SG20KTL	SG20KTL-M
SG20KU	SG20RT	SG25CX-SA
SG30CX	SG30KJ	SG30KTL
SG30KTL_V31	SG30KTL-M	SG30KTL-M-V31
SG30KU	SG33CX	SG33K3J
SG33KTL-M	SG33KTL-M-20	SG33KTL-M-V2
SG34KJ	SG36CX-US	SG36KTL
SG36KTL-M	SG36KTL-M-20	SG36KTL-M-V2
SG36KU	SG40CX	SG40KTL
SG40KTL_V21	SG40KTL-M	SG49K5J
SG50CX	SG50KTL	SG50KTL-M
SG50KTL-M-20	SG50KTL-M-V2	SG60CX-US
SG60KTL	SG60KTL-M	SG60KU
SG60KU-M	SG75CX	SG80BF
SG80HV	SG80KTL	SG80KTL-M
SG80KTL-M-20	SG85BF	SG100CX
SG100CX-JP	SG100K3	SG110CX
SG110HV-M	SG111HV	SG125HV
SG125HV-20	SG132TX	SG136TX
SG150TX	SG225HX	SG250HX
SG250HX-IN	SG250HX-US	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## SG500 - SG2500 HV/MV (turnkey station)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	63
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	5 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Sungrow Turnkey Stations consist of several module/inverter units (up to 4). Depending on the amount of module/inverter units the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x Sungrow Turnkey Station with 4 module/inverter units = 4 devices).

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Turnkey Station series

SG500MX	SG500MX-M	SG630MX
SG630MX-M	SG750MX	SG800MX
SG1000	SG1000HV	SG1000MX
SG1250	SG1250-MV	SG1250HV
SG1250UD	SG1500/SG1500UD	SG1500HV
SG2000	SG2000-MV	SG2500
SG2500-MV	SG2500HV	SG2500HV-MV
SG2500HV(-MV)	SG2500U	SG2500UD
SG2500UD-MV		

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## SunSpec Alliance Compatible inverter

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to one blue'Log.

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\phi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

- ① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
- ① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
- ① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

- ① The actually recorded values may vary due to the device model or the device firmware.

## *SUPPORTED DEVICES*

Compatible inverter

Please contact Sales for details of compatibility with devices not listed.

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	43
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### STS series

STS-3.6KTL	STS-3KTL	STS-4.2KTL
STS-4.6KTL	STS-5KTL	

### STT series

STT-6KTL	STT-8KTL	STT-10KTL
STT-12KTL	STT-15KTL	STT-17KTL
STT-20KTL	STT-25KTL	STT-50KTL
STT-60KTL	STT-70KTL-HV	STT-75KTL-HV

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

④ The actually recorded values may vary due to the device model or the device firmware.

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### SUPPORTED DEVICES

MBX03\_US2

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

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# TMEIC

## SOLAR WARE 100

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET-ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

---

## SUPPORTED DEVICES

SOLAR WARE series

PVF-L0100

PVF-T0100

PVF-T0100-S

PVF-T0100R

Please contact Sales for details of compatibility with devices not listed.

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---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**POWER CONTROL**

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET-ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series

PVG-L0175

PVL-L0175

Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

---

## SUPPORTED DEVICES

SOLAR WARE series

PVF-L0250

PVF-T0250

PVG-L0250

PVL-L0250

Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVL-L490

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET-ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

---

## SUPPORTED DEVICES

### SOLAR WARE series

PVF-L0500	PVL-L0500	PVL-L0500E
PVL-L0500E(J)	PVI-L0500E-D	PVL-L0500E-S
PVL-L0500U		

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series

PVL-L0630E

PVL-L0630E(J)

PVL-L0630E-D

PVL-L0630E-S

PVL-L0630U

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

---

## SUPPORTED DEVICES

SOLAR WARE series  
PVL-L0665E

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVL-L0675E

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET-ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series

PVF-L0750

PVL-L0750E

PVL-L0750E-S

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVL-L0833GR

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

---

## SUPPORTED DEVICES

SOLAR WARE series

PVF-L1000

PVL-L1000E(J)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVL-L1000ERM(J)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series

PVH-L1250ER(J)

PVL-L1250ER(J)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

② Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series

PVL-L1250ER(J)

PVL-L1667GR

PVL-L1667GRQ

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series

PVL-L1833ERM

PVL-L1833GR

PVL-L1833GRM

PVL-L1833GRQ

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVH-L2220E

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos $\varphi$ control:	No
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVH-L2500ER(J)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVH-L2550E

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET-ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

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## SUPPORTED DEVICES

SOLAR WARE series  
PVH-L2700ER(J)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

① The actually recorded values may vary due to the device model or the device firmware.

① Please note depending on the used setpoint method there is no value for either "P\_AC\_SET\_ABS" (Absolute active power setpoint) or "P\_AC\_SET\_REL" (Relative active power setpoint) available.

---

## SUPPORTED DEVICES

SOLAR WARE series  
PVH-L3200ER(J)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

④ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
④ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
④ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PVI-14TL-208  
PVI-28TL-480  
PVI-60TL-480

PVI-20TL-480  
PVI-36TL-480

PVI-23TL-480  
PVI-50TL-480

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Zucchetti Centro Sistemi

### AZZURRO ZS/ZZ series

Beta version (see chapter „Beta version“)

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	8
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.5 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

#### POWER CONTROL

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos $\varphi$ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

① Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.  
① Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.  
① Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

#### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### 3-PHASE STORAGE SYSTEM series

AZZURRO 3PH HYD5000 ZSS	AZZURRO 3PH HYD6000 ZSS	AZZURRO 3PH HYD8000 ZSS
AZZURRO 3PH HYD10000 ZSS	AZZURRO 3PH HYD15000 ZSS	AZZURRO 3PH HYD20000 ZSS

### AZZURRO - ZS1 PLUS SERIES - SINGLE MPPT series

AZZURRO 1PH 1100TL-V1	AZZURRO 1PH 1600TL-V1	AZZURRO 1PH 2200TL-V1
AZZURRO 1PH 2700TL-V1	AZZURRO 1PH 3000TL-V1	

### AZZURRO - ZS1 TL LITE SERIES - SINGLE MPPT series

AZZURRO 1PH 1100TL-V3	AZZURRO 1PH 1600TL-V3	AZZURRO 1PH 2200TL-V3
AZZURRO 1PH 2700TL-V3	AZZURRO 1PH 3000TL-V3	AZZURRO 1PH 3300TL-V3

### AZZURRO - ZS1 TLM LITE SERIES - DOUBLE MPPT series

AZZURRO 1PH 3000-V2	AZZURRO 1PH 3680-V2	AZZURRO 1PH 4000-V2
AZZURRO 1PH 4600-V2	AZZURRO 1PH 5000-V2	AZZURRO 1PH 6000-V2

### AZZURRO - ZS1 TLM PLUS SERIES - DOUBLE MPPT series

AZZURRO 1PH 3000-V1	AZZURRO 1PH 3680-V1	AZZURRO 1PH 4000-V1
AZZURRO 1PH 4600-V1	AZZURRO 1PH 5000-V1	AZZURRO 1PH 6000-V1

AZZURRO - ZS3 TL COMPACT SERIES -3,3/ 4,4/5,5/6,6/8,8/11/12 kW - 3Phase series

AZZURRO 3PH 3.3KTL-V1	AZZURRO 3PH 4.4KTL-V1	AZZURRO 3PH 5.5KTL-V1
AZZURRO 3PH 6.6KTL-V1	AZZURRO 3PH 8.8KTL-V1	AZZURRO 3PH 11KTL-V1
AZZURRO 3PH 12KTL-V1		

AZZURRO - ZS3 TL SERIES - 10/15/17/20 kW - 3Phase series

AZZURRO 3PH 30KTL-V1	AZZURRO 3PH 33KTL-V1	AZZURRO 3PH 40KTL-V1-HV
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AZZURRO - ZS3 TL SERIES - 20/25/30/33 kW - 3Phase - Compact Series series

AZZURRO 3PH 20KTL-V2	AZZURRO 3PH 25KTL-V2	AZZURRO 3PH 30KTL-V2
AZZURRO 3PH 33KTL-V2		

AZZURRO - ZZ3 TL SERIES - 10/12/15 kW - 3Phase series

AZZURRO 3PH 10KTL-V1	AZZURRO 3PH 10KTL-V2	AZZURRO 3PH 12KTL-V2
AZZURRO 3PH 15KTL-V1	AZZURRO 3PH 15KTL-V2	AZZURRO 3PH 17KTL-V1
AZZURRO 3PH 20KTL-V1		

AZZURRO SERIES ZS3 TL - 50/60/70 kW - 3Phase series

AZZURRO 3PH 50KTL-V1	AZZURRO 3PH 60KTL-V1	AZZURRO 3PH 70KTL-V1-HV
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Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# Sensor

Brodersen

PT100 with converter PXT-10

---

## COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## ALARM MONITORING

Alarm monitoring: No

---

## MEASUREMENT VALUES RECORDED

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PT100 with converter PXT-10

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## PT1000 with converter PXT-11

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PT1000 with converter PXT-11

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	11

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI	Soiling loss
SLI_RAW	Soiling loss raw
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

CR-PVS1

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## CR-PVS2

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI	Soiling loss
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

CR-PVS2

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

CTT4 series  
CTT4

CTT8 series  
CTT8

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## CTT8

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

CTT4 series  
CTT4

CTT8 series  
CTT8

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_RF_ABS1	Precipitation quantity, absolute
E_W_D	Wind direction
E_W_S	Wind speed
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

VantagePro2

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 7N1, 7E2, 7N2, 8E1, 8N1, 8E2, 8N2
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

SNOW_LOAD1	Snow load 1
SNOW_LOAD2	Snow load 2
SNOW_LOAD3	Snow load 3
SNOW_LOAD4	Snow load 4

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

DGT20

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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**COMMUNICATION**

Communication interface: RS485  
Max. number of devices per bus: 100  
Protocol: ModbusRTU  
Bus speed: 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps  
Bus speed default: 9600 bps  
Frame settings: 8N1, 8N2, 8O1, 8E1  
Frame settings default: 8N2  
Default address: 1

**Timings**

Timeout: 1 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**ALARM MONITORING**

Alarm monitoring: No

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**MEASUREMENT VALUES RECORDED**

SRAD Irradiance  
T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

**SUPPORTED DEVICES**

MS-40M	MS-60M	MS-80M
Via additional Modbus converter (MC-20) series		
ML-01	MS-40	MS-60
MS-80	MS-802	

Please contact Sales for details of compatibility with devices not listed.  
Phone: +49 (0)821 34666 - 80  
E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Fuji Electric Water Level Transmitter

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

WATER\_DEPTH Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Water Level Transmitter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SmartLogger 2000/3000 EMI

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	7
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	6 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

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### MEASUREMENT VALUES RECORDED

E_F_S	Fan speed
E_IH_REL	Internal relative humidity
E_IP_ABS	Internal air pressure
E_TILT	Sensor tilt
SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SR05-D1A3	SR20-D1	SR20-D2
SR30-D1	SR30-M2-D1	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SR20-TR/D2

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SR20-TR/D2

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	26
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	1 seconds

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ For connection to the blue'Log the device needs to be configured to zero-based registers.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

SLI1	Soiling loss 1
SLI2	Soiling loss 2
SR1	Soiling ratio 1
SR2	Soiling ratio 2
T (1,...x)	Temperature (1,...x)

- ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

DustIQ

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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---

## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	7E1, 7N1, 7O1, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

E_SRAD	Global irradiation energy
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SUN_H	Sunshine duration

ⓘ The actually recorded values may vary due to the device model or the device firmware.  
ⓘ Irradiance 1 = Global irradiance  
Irradiance 2 = Direct irradiance  
Irradiance 3 = Diffuse irradiance

---

## SUPPORTED DEVICES

RaZON+

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## RT1

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps, 19200 bps, 9600 bps, 4800 bps, 2400 bps, 1200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

RT1

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SMPx (4 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SMPx (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SMPx, SGRx, SHPx, PR1, PH1, SUVx (Modbus)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	26
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD	Irradiance
SRAD1	Irradiance 1
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

### SUPPORTED DEVICES

#### PH series

PH1

#### PR series

PR1

#### RT series

SUV5

#### SGR series

SGR3

SGR4

#### SHP series

SHP1

#### SMP series

SMP3

SMP6

SMP10

SMP11

SMP21

SMP22

#### SUV series

SUV-A

SUV-B

SUV-E

SUV5

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1
Frame settings default:	8E1
Default address:	1

### Timings

Timeout:	5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

## ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_AH_ABS1	Humidity, absolute 1
E_AH_REL1	Humidity, relative
E_ALT1	Altitude
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_PRECIPITATION	Precipitation type
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
E_W_D	Wind direction
E_W_S	Wind speed
E_W_S_MA (1,...x)	Maximum wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

## SUPPORTED DEVICES

WS100	WS100(V48)	WS200
WS300	WS301	WS302
WS303	WS304	WS310
WS400	WS401	WS500
WS501	WS502	WS503
WS504	WS510	WS600
WS601	WS700	WS800

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

SRAD1	Irradiance 1
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

ADL-SR

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Interface (E\_AH\_REL1): Multi Input (MI), 0 - 20 mA

Interface (T): Multi Input (MI), 0 - 20 mA

**Timings**

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**ALARM MONITORING**

Alarm monitoring: No

---

**MEASUREMENT VALUES RECORDED**

E\_AH\_REL1 Humidity, relative

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

**SUPPORTED DEVICES**

Hygro-Thermosensor compact

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## PT100 compact

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PT100 compact

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-12TC

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-12TC

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-12TC-T

---

### COMMUNICATION

Interface (SRAD): Multi Input (MI), 0 - 10 V

Interface (T): Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-12TC-T

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-020TC

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-020TC

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Si-020TC-T

---

### COMMUNICATION

Interface (SRAD): Multi Input (MI), 0 - 20 mA

Interface (T): Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-020TC-T

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-420TC

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-420TC

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-420TC-T

---

### COMMUNICATION

Interface (SRAD): Multi Input (MI), 0 - 20 mA

Interface (T): Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-420TC-T

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-I-420

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-I-420

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-I-420-T

---

### COMMUNICATION

Interface (SRAD): Multi Input (MI), 0 - 20 mA

Interface (T): Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-I-420-T

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-RS485TC-2T-MB

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.  
ⓘ Temperature 1 = Module temperature (internal measurement)  
Temperature 2 = Ambient temperature

---

### SUPPORTED DEVICES

Si-RS485TC-2T-MB

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-RS485TC-2T-V-MB

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	1 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.  
① Temperature 1 = Module temperature (internal measurement)  
Temperature 2 = Ambient temperature

---

### SUPPORTED DEVICES

Si-RS485TC-2T-V-MB

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-RS485TC-T-MB

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-RS485TC-T-MB

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Si-RS485TC-T-Tm-MB

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.  
ⓘ Temperature 1 = Module temperature (internal measurement)  
Temperature 2 = Ambient temperature

---

### SUPPORTED DEVICES

Si-RS485TC-T-Tm-MB

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-V-010

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-V-010

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Si-V-010-T

---

### COMMUNICATION

Interface (SRAD): Multi Input (MI), 0 - 10 V

Interface (T): Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Si-V-010-T

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Ta-ext-RS485

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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### MEASUREMENT VALUES RECORDED

T	Temperature
---	-------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Ta-ext-RS485

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Tm-I-4090

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Tm-I-4090

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Tm-RS485

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

T	Temperature
---	-------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Tm-RS485

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind direction classic (0 - 10 V)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_D Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind direction classic (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind direction classic (4 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_D Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind direction classic (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Wind direction compact (0 - 10 V)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_D Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind direction compact (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind direction compact (4 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_D Wind direction

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind direction compact (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind speed classic (0 - 10 V)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_S Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind speed classic (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind speed classic (4 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_S Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind speed classic (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind speed compact (0 - 10 V)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_S Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind speed compact (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Wind speed compact (4 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_W\_S Wind speed

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Wind speed compact (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## NES SOZ-03

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 1 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

SRAD Irradiance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SOZ-03

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## NOHKEN

### PLD121-11 (Water depth) Analog (4 - 20 mA)

---

#### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring: No

---

#### MEASUREMENT VALUES RECORDED

WATER\_DEPTH Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

PLD121-11 (Water depth) Analog (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Power Electronics

### Protection system - HEMK + MVSKID

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	5 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ Please note the driver only works in case blue'Log gets directly connected to MV SKID modules.
- 

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

STATE (1,...x)	Status (1,...x)
----------------	-----------------

- ⓘ The actually recorded values may vary due to the device model or the device firmware.
- 

#### SUPPORTED DEVICES

Protection system - HEMK + MVSKID

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Sommer Messtechnik

### USH-8/9 (0 - 20 mA)

---

#### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring: No

---

#### MEASUREMENT VALUES RECORDED

E\_SNOW\_DEPTH Snow depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

USH-8/9 (0 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## USH-8/9 (4 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_SNOW\_DEPTH Snow depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

USH-8/9 (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## USH-9 (Modbus)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2, 8O1
Frame settings default:	8N1
Default address:	35

#### Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

USH-9 (Modbus)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**ALARM MONITORING**

Alarm monitoring:	No
-------------------	----

---

**MEASUREMENT VALUES RECORDED**

E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_RF_ABS1	Precipitation quantity, absolute
E_W_D	Wind direction
E_W_S	Wind speed
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

**SUPPORTED DEVICES**

Logger 1000/3000 Meteo Station

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SunSpec Alliance Compatible sensor

---

### COMMUNICATION

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 1  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 96  
Protocol: ModbusRTU  
Bus speed: 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps  
Bus speed default: 9600 bps  
Frame settings: 8N1  
Frame settings default: 8N1  
Default address: 1

Timings  
Timeout: 1 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

Model 302	Model 303	Model 305
Model 307	Model 308	

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Compatible sensor

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Thermokon PT1000 with integrated converter

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PT1000 with integrated converter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 V

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

ILLUMINANCE Illuminance

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

7.1414.40.102

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## TOKYO KEISO

### UW3000 (Water depth) Analog (4 - 20 mA)

---

#### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring: No

---

#### MEASUREMENT VALUES RECORDED

WATER\_DEPTH Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

UW3000 (Water depth) Analog (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## UW3000 (Water depth) Modbus

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver only supports the default display mode: DSPMODE (BotDis).

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

T (1,...x)	Temperature (1,...x)
WATER_DEPTH	Water depth

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

UW3000 (Water depth) Modbus

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Only devices with firmware greater than 3.85 get supported.

**ALARM MONITORING**

Alarm monitoring:	Yes
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**MEASUREMENT VALUES RECORDED**

E_AH_ABS1	Humidity, absolute 1
E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

- ⓘ The actually recorded values may vary due to the device model or the device firmware.

**SUPPORTED DEVICES**

WXT531	WXT532	WXT533
WXT534	WXT535	WXT536

Please contact Sales for details of compatibility with devices not listed.  
 Phone: +49 (0)821 34666 - 80  
 E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## Vendor-neutral Analog input (0 - 20 mA)

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 20 mA

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

A\_IN1 Analog input 1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Analog input (0 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## PT1000

---

### COMMUNICATION

Interface: Multi Input (MI), 0 - 10 Ohm

#### Timings

Timeout: 2 seconds

Delay: 2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

T Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PT1000

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# Meter

## ABB

### A43/A44

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

A43

A44

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## B23/B24

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	94
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---



## MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

B23/B24

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

CM-UFD series			
CM-UFD.M22M	CM-UFD.M31M	CM-UFD.M33M	
CM-UFD.M34M			

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## M2M Ethernet

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

M2M Ethernet

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## REF615

Beta version (see chapter „Beta version“)

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

### MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

## *SUPPORTED DEVICES*

REF615

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## RET620

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	56
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

RET620

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## RIO600 - SIM8F

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

RIO600 - SIM8F

ⓘ Please note that this driver doesn't support the smaller measurement module SIM4F.

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
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### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_DC_E_EXP	Active Energy DC (export)
M_DC_E_IMP	Active Energy DC (import)
M_DC_I	Current DC
M_DC_P	Power DC
M_DC_U	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Acudc 240

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

④ Please note connection of the Acuvim-II via Modbus SunSpec not possible with the existing Modbus SunSpec driver from meteocontrol.

It is possible to configure the "parameter mode" of the device in the system settings through the meters display. The device is only supported if the parameter mode "Primary" got selected.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

④ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Acuvim II

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## AEC

### USM-1

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#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

USM-1

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Antarc-Automation TicMaster (Pro)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	20

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

TicMaster series	
TicMaster (Pro) Linky	TicMaster (Pro) Saphir



Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	2

**Timings**

Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ For communication via Modbus RTU an additional gateway from Bender is needed.
- 

**POWER CONTROL**

For use of Power Control:	No
For use of control criterion phase-related:	No

---

**ALARM MONITORING**

Alarm monitoring:	Yes
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---

**MEASUREMENT VALUES RECORDED**

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

- ⓘ The actually recorded values may vary due to the device model or the device firmware.
- 

**SUPPORTED DEVICES**

LINETRAXX VMD460-NA

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## CCK

### CCK6700E

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	40
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7O1, 7E1, 7N2, 7O2, 7E2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note for connection of the CCK6700E via TCP a RS485 to Ethernet converter is required.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_EXP_T1	Negative - Reactive Energy capacitive exported (Tariff 1)
M_AC_EQ_CAP_EXP_T2	Negative - Reactive Energy capacitive exported (Tariff 2)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_CAP_IMP_T1	Positive - Reactive Energy capacitive imported (Tariff 1)
M_AC_EQ_CAP_IMP_T2	Positive - Reactive Energy capacitive imported (Tariff 2)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_EXP_T1	Positive - Reactive Energy inductive exported (Tariff 1)
M_AC_EQ_IND_EXP_T2	Positive - Reactive Energy inductive exported (Tariff 2)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_EQ_IND_IMP_T1	Positive - Reactive Energy inductive imported (Tariff 1)
M_AC_EQ_IND_IMP_T2	Positive - Reactive Energy inductive imported (Tariff 2)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_MONTH_IMP	Active energy monthly (import)
M_AC_P_DEMAND_T1	Active Power Demand (Tariff 1)
M_AC_P_DEMAND_T2	Active Power Demand (Tariff 2)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

CCK6700E

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## CEWE Instrument

### Elite440

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	89
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Please note the models CEWE Elite 441 / 442 / 443 / 444 can't get used for Power Control.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Elite440-441	Elite440-442	Elite440-443
Elite440-444	Elite440-445	Elite440-446
Elite440-447	Elite440-448	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

CEWEMod (Modbus converter from CEWE)

Prometer

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Prometer (Marcom Gateway)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Prometer (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Prometer 100

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Circuitur

### Cirwatt B series

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Cirwatt B series

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## CVM 96, Mini

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
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---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

CVM series

CVM\_96

CVM\_MINI

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	66
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

CVM-C10

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IntelPro G59

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SQLC 110L

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

DSEP100

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## DEIF

### ASC Main meter

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.02 seconds

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Depending on the amount of main meters connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power

- ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

ASC Main meter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

**Timings**

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

**POWER CONTROL**

For use of Power Control:	No
For use of control criterion phase-related:	No

**ALARM MONITORING**

Alarm monitoring:	Yes
-------------------	-----

**MEASUREMENT VALUES RECORDED**

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

**SUPPORTED DEVICES**

TH40 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	24
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

## ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

TH40C

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

EDR-5000

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IQ 35MA12 / IQ 35MA13

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	67
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

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### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IQ 35M series

IQ 35MA12

IQ 35MA13

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## IQ 35MA22 / IQ 35MA23

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	50
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

IQ 35M series

IQ 35MA22

IQ 35MA23

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## METER44

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	89
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### METER44

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Power Xpert Meter 2000 / IQ 250/260

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Please note the driver does not support the below settings:
  - Data bits: 5 and 6

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

- ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### IQ series

IQ250	IQ250L	IQ260
IQ260L		

### PXM series

PXM2250	PXM2260	PXM2270
PXM2280	PXM2290	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Please note the last two digits of the serial number of the connected meter represent the Modbus address of the device. It is not possible to connect two meters with identical Modbus addresses to the same RS485 bus.
- 

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

- ① Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.
- 

### ALARM MONITORING

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

SmartHub series

MK10E

MK10H

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	83
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Shark 100S

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Shark 200

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	74
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Shark 200

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Shark 250

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Shark 270

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	74
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---



## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Shark 270

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

A1500 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## A1700 (Marcom Gateway)

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

A1700 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

A1700 / A1140 (KoCos ME27.1)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## ALPHA A18xx

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ALPHA A1800

ALPHA A1882

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

A1140

A1700

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## EMH

### LZQJ (Marcom Gateway)

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_Q	Reactive power

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

LZQJ (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SIAB	SIAC
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Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N2
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.015 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

C96...L

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## QUBO 96H

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.15 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---



## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

QUBO 96H

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## GE Multilin

### PQMII Power Quality Meter

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### PQMII Power Quality Meter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### ECA series

ECA300C	ECA301C	ECA380D
ECA381D		

### ECR series

ECR300C	ECR301C	ECR380D
ECR381D		

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# HAKARU PLUS CORP

## XM2-110-5

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

XM2-110-5

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	70
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ComPass 2.0 B

ComPass 2.0 BS

ComPass 2.0 BS CR

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



# Huawei

## SmartLogger 2000/3000 Power Meter

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

### MEASUREMENT VALUES RECORDED

M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

### SUPPORTED DEVICES

SmartLogger 2000/3000 Power Meter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

① The actually recorded values may vary due to the device model or the device firmware.

① Please note the values "Reactive Energy total" and "Apparent Energy total" are only available for IntelliHub devices with firmware  $\geq 2.20$

---

## SUPPORTED DEVICES

### EDMI series

Mk7A  
Mk10D

Mk7C  
Mk10E

Mk10A  
Mk10H

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## ISKRA

### ISKRA (Marcom Gateway)

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#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## *SUPPORTED DEVICES*

ISKRA (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## MC330

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8E2, 8O2
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Two different Modbus value mappings can get selected via Modbus register 40100 of the "Iskra MC330" communication protocol. Please note that the driver only supports the value mapping "MC7X0". The value mapping "MI71X0" does not get supported.
- 

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MC330

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	62
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note in case the Modbus address was not set manually it is made up as follows: 100 + the last two digits of the serial number of the connected meter. It is not possible to connect two meters with identical Modbus addresses.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MT880

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Itron/Actaris SL7000 (Elsist Gateway)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SL7000 (Elsist Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SL7000 (Marcom Gateway)

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SL7000 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

UMG 503

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---



## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### UMG series

UMG 96-S2	UMG 96PA	UMG 96PA-MID
UMG 96PA-MID+	UMG 96RM	UMG 96RM / -CBM / -P
UMG 96RM-E	UMG 96RM-EL	UMG 96RM-PN
UMG 103 CBM	UMG 104	UMG 508
UMG 509	UMG 511	UMG 512
UMG 604	UMG 605	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8E1
Default address:	50

#### Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Grid-Inspector IKI-50

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Landis & Gyr E650 (Marcom Gateway)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① You can connect up to 4 Landis & Gyr E650 meters to one Marcom gateway (e.g. 1 Marcom with 4 Landis & Gyr E650 = 4 devices).

① Please note for connection a firmware of 3.128 and higher of the Marcom gateway is required.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

E650 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1001
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	87
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7O1, 7O2, 7E1, 7E2, 8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PMVF series

PMVF20

PMVF50

PMVF51

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Meter Gateway

### L-Box

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	http
Port:	8080
Default address:	0
Remote Device Access:	No

#### Timings

Timeout:	none
Delay:	60 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_EV_E_EXP	Consumption of charging infrastructure

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

L-Box

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	5
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	6 seconds
Delay:	6 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the last two digits of the serial number of the connected meter represent the Modbus address of the device. It is not possible to connect two meters with identical Modbus addresses to the same RS485 bus.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

SmartHub series

MK10A

MK10E

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	2 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

P2000

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	9
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1.5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ME110 series

ME110NSR-MB

ME110SR-MB

ME110SSR-MB

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	2

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

NWK22

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## PLUS ES

### Modbus Duo

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

EDMI

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Powermetric

### Modbus Duo

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

EDMI

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	20
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Only devices from firmware 3.0.8 and higher get supported.
- 

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

- ① Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.
- 

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

① If you use the meter in single phase mode it's necessary to configure this in meter software. Otherwise the meter will show also values for phase 2 and phase 3. Set in the menu "Install" - "Advanced" the option "Markierung bei Phasenausfall" to the value "Flag+0".

---

## SUPPORTED DEVICES

UMD 96	UMD 97	UMD 97EVU
UMD 98	UMD 701	UMD 704
UMD 705E/CBM	UMD 705X	UMD 707
UMD 709	UMD 710A	UMD 710EVU
UMD 807	UMD 913	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

uReg

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## SACI

## AHM1

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8E1, 8N1, 8N2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

AHM1

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 1  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 61  
Protocol: ModbusRTU  
Bus speed: 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps  
Bus speed default: 9600 bps  
Frame settings: 7E1, 8N1, 8E1  
Frame settings default: 8N1  
Default address: 1

Timings  
Timeout: 1 seconds  
Delay: 0.005 seconds

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Please note that it is possible to change the data format by changing the configuration of the meter. Because 32-bit floating point format is not supported by this driver, register 246 needs to be 0 (default value) and shouldn't be changed.

---

**POWER CONTROL**

For use of Power Control: Yes  
For use of control criterion phase-related: Yes

- ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

**ALARM MONITORING**

Alarm monitoring: No

---

## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

### PM130 PLUS series

PM130A	PM130E	PM130EH
PM130P		

### PM135 series

PM135A	PM135E	PM135EH
PM135P		

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SBC

### ALE3 / AWD3

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	14
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

ALE3

AWD3

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

## *SUPPORTED DEVICES*

EM1250

EM1251

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## EM6400

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

EM6400

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only devices from firmware 1.0.800 and higher get supported.

## POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

## ALARM MONITORING

Alarm monitoring:	No
-------------------	----

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

iEM series

iEM3155

iEM3255

iEM3355

iEM3555

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ION7500	ION7600	ION8300
ION8400	ION8500	ION8600
ION8650	ION8800	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ION7550

ION7650

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ION7300

ION7330

ION7350

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

## ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ION7400

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## ION9000

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

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### ALARM MONITORING

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ION9000

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## MiCOM P125, P126 & P127

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 1  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 82  
Protocol: ModbusRTU  
Bus speed: 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps  
Bus speed default: 9600 bps  
Frame settings: 8E1, 8N1, 8N2, 8O1  
Frame settings default: 8E1  
Default address: 1

Timings  
Timeout: 1 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control: No  
For use of control criterion phase-related: No

---

### ALARM MONITORING

Alarm monitoring: Yes

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MiCOM P125, P126 & P127

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## PM2XX/PM7XX

Beta version (see chapter „Beta version“)

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

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### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

- ① The actually recorded values may vary due to the device model or the device firmware.
- ② This meter delivers  $\cos \phi$  and active and reactive power as values without a sign (+/-).

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## SUPPORTED DEVICES

PM2XX series		
PM200	PM200P	PM210
PM7XX series		
PM700	PM700P	PM710

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## PM2xx0 series

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### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

 The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PM21xx series series	
PM2120	PM2130
PM22xx series series	
PM2220	PM2230

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	78
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
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*MEASUREMENT VALUES RECORDED*

M_AC_EQ_EXP_T1	Reactive energy Tariff 1 (export)
M_AC_EQ_EXP_T2	Reactive energy Tariff 2 (export)
M_AC_EQ_EXP_T3	Reactive energy Tariff 3 (export)
M_AC_EQ_EXP_T4	Reactive energy Tariff 4 (export)
M_AC_EQ_EXP_T5	Reactive energy Tariff 5 (export)
M_AC_EQ_EXP_T6	Reactive energy Tariff 6 (export)
M_AC_EQ_EXP_T7	Reactive energy Tariff 7 (export)
M_AC_EQ_EXP_T8	Reactive energy Tariff 8 (export)
M_AC_EQ_IMP_T1	Reactive energy Tariff 1 (import)
M_AC_EQ_IMP_T2	Reactive energy Tariff 2 (import)
M_AC_EQ_IMP_T3	Reactive energy Tariff 3 (import)
M_AC_EQ_IMP_T4	Reactive energy Tariff 4 (import)
M_AC_EQ_IMP_T5	Reactive energy Tariff 5 (import)
M_AC_EQ_IMP_T6	Reactive energy Tariff 6 (import)
M_AC_EQ_IMP_T7	Reactive energy Tariff 7 (import)
M_AC_EQ_IMP_T8	Reactive energy Tariff 8 (import)
M_AC_EQ_TOTAL	Reactive Energy total
M_AC_ES_EXP_T1	Apparent energy Tariff 1 (export)
M_AC_ES_EXP_T2	Apparent energy Tariff 2 (export)
M_AC_ES_EXP_T3	Apparent energy Tariff 3 (export)
M_AC_ES_EXP_T4	Apparent energy Tariff 4 (export)
M_AC_ES_EXP_T5	Apparent energy Tariff 5 (export)
M_AC_ES_EXP_T6	Apparent energy Tariff 6 (export)
M_AC_ES_EXP_T7	Apparent energy Tariff 7 (export)
M_AC_ES_EXP_T8	Apparent energy Tariff 8 (export)
M_AC_ES_IMP_T1	Apparent energy Tariff 1 (import)
M_AC_ES_IMP_T2	Apparent energy Tariff 2 (import)
M_AC_ES_IMP_T3	Apparent energy Tariff 3 (import)
M_AC_ES_IMP_T4	Apparent energy Tariff 4 (import)
M_AC_ES_IMP_T5	Apparent energy Tariff 5 (import)
M_AC_ES_IMP_T6	Apparent energy Tariff 6 (import)
M_AC_ES_IMP_T7	Apparent energy Tariff 7 (import)
M_AC_ES_IMP_T8	Apparent energy Tariff 8 (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_EXP_T5	Active energy for Tariff 5 (export)
M_AC_E_EXP_T6	Active energy for Tariff 6 (export)
M_AC_E_EXP_T7	Active energy for Tariff 7 (export)
M_AC_E_EXP_T8	Active energy for Tariff 8 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active power for Tariff 3 (import)
M_AC_E_IMP_T4	Active power for Tariff 4 (import)
M_AC_E_IMP_T5	Active power for Tariff 5 (import)
M_AC_E_IMP_T6	Active power for Tariff 6 (import)
M_AC_E_IMP_T7	Active power for Tariff 7 (import)
M_AC_E_IMP_T8	Active power for Tariff 8 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1

M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

#### PM5000 series

PM5100	PM5110	PM5111
PM5310	PM5320	PM5330
PM5331	PM5340	PM5341
PM5560	PM5561	PM5563

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Only devices from firmware 1.0.800 and higher get supported.
- 

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

- ① Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.
- 

### ALARM MONITORING

Alarm monitoring:	No
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---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PM3200 series

PM3250

PM3255

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## PM800 series

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PM800 series

PM810

PM820

PM850

PM870

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## PM8240

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PM8240

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

### Sepam 40 series

G40	M40	M41
S40	S41	S42
S43	S44	S48 - E11
S48 - E12	S48 - E13	S48 - E14
S48 - E15	S48 - E22	S48 - E23
S48 - E32	S48 - E33	S50
S51	S52	S53
S54	T40	T42
T50	T52	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	95
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	6E1, 6N1, 6O1, 6E2, 6N2, 6O2, 7E1, 7N1, 7O1, 7E2, 7N2, 7O2, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

**Timings**

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① It is necessary to configure the scaling settings in the device for correct communication and measurement. The scaling settings have to be configured with the software "ACCELERATOR QuickSet SEL-5030" in the menu "Identifier and Scaling Settings". The scaling settings have to be set to VOLT\_SCA = UNITY, POWR\_SCA = UNITY, ENRG\_SCA = KILO.

**POWER CONTROL**

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

① Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

**ALARM MONITORING**

Alarm monitoring:	No
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## MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

 The actually recorded values may vary due to the device model or the device firmware.

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## SUPPORTED DEVICES

SEL-735

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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**COMMUNICATION**

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

**Timings**

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**POWER CONTROL**

For use of Power Control:	No
For use of control criterion phase-related:	No

---

**ALARM MONITORING**

Alarm monitoring:	No
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---

## MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

④ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

7SR10 Argus

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8E1, 8O1, 8N1
Frame settings default:	8N2
Default address:	126
Timings	
Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ Configuration of device for active energy counting range needs to be set to "IMPORT" or "EXPORT". Range "BALANCE" does not get supported.
- 

**POWER CONTROL**

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

- ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.
- 

**ALARM MONITORING**

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

PAC series

PAC2200  
PAC3220

PAC3100  
PAC4200

PAC3200

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## SunSpec Alliance Compatible meter

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

Model 201	Model 202	Model 203
Model 204		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Compatible meter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

② The driver supports the address range 1 to 247. The address 0 does not get supported.

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1



■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

XM2-110

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PRON NV10P-MB0

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Vendor-neutral S0 energy meter

---

### COMMUNICATION

Communication interface: Digital Input (DI), Multi Input (MI)

#### Timings

Timeout: 2 seconds

Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control: No

For use of control criterion phase-related: No

---

### ALARM MONITORING

Alarm monitoring: No

---

### MEASUREMENT VALUES RECORDED

E\_INT Energy generated per interval

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

S0 energy meter

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

**COMMUNICATION**

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 1  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 98  
Protocol: ModbusRTU  
Bus speed: 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps  
Bus speed default: 9600 bps  
Frame settings: 8N1  
Frame settings default: 8N1  
Default address: 1

Timings  
Timeout: 1 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**POWER CONTROL**

For use of Power Control: No  
For use of control criterion phase-related: No

---

**ALARM MONITORING**

Alarm monitoring: Yes

---

**MEASUREMENT VALUES RECORDED**

Model 201	Model 202	Model 203
Model 204		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

**SUPPORTED DEVICES**

E51C2

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

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### ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MMW03-M22CH

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.01 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Only devices with firmware 1.02 get supported.
- 

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

- ① The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.
  - ① Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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---



## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MFR 300 series

MFR 300-11M

MFR 300-15M

MFR 300-71M

MFR 300-75M

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	45
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.01 seconds

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① Please note, since release 3.6 Woodward offers the tool "SCADApter" with which project specific data point lists can get created. The driver does not support any project/device specific data point lists.

---

### POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

① The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

① Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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① The alarms "I[1] - 50, 51" to "I[6] - 50, 51" can get configured via Woodward configuration tool. The interpretation of the alarms sent by the blue'Log depends on the initial configuration of the device.

---

## MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

MCA4	MCDGV4	MCDTV4
MRA4	MRDT4	MRI4
MRM4	MRMV4	MRU4

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

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### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

■ ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### *SUPPORTED DEVICES*

PR300

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# String monitoring

ABB

ABB PVI-STRINGCOMB (Aurora protocol)

---

## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	AURORA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	0.5 seconds
Delay:	0.035 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

ABB PVI-STRINGCOMB (Aurora protocol)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## Ultra Solar Field Gathering

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

#### Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

ULTRA series		
3G90	3L11	V11

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## AROS (Riello)

### String Box

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	No
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---

#### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
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ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

String Box

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



# Astrid Energy Enterprises

## Array Monitor

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	76
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N2
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Array Monitor

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

VMU-M

VMU-S

VMU-S30

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

CPS CB10

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Circutor

### STM

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

STM

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ Driver supports 'single slave' devices only, the modus 'Slave-Subslave' is not supported. For this reason, the maximum of these stringboxes on a single bus is limited to 32.
- 

**ALARM MONITORING**

Alarm monitoring:	No
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---

**MEASUREMENT VALUES RECORDED**

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

- ⓘ The actually recorded values may vary due to the device model or the device firmware.
- 

**SUPPORTED DEVICES**

TR8

Please contact Sales for details of compatibility with devices not listed.  
Phone: +49 (0)821 34666 - 80  
E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## TR16

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

TR16

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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---

### COMMUNICATION

Communication interface:	RS422
Max. number of devices per bus:	100
Protocol:	SOLAR_NET
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 7N1, 7N2, 7E1, 7E2
Frame settings default:	8N1
Default address:	0

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ To communicate with the inverter via SolarNet protocol a Full duplex (4 Wires) cabling via RS422 is necessary. It is possible to use both the two RS485 interfaces of the blue'Log XM / XC base module and the MX-MODULE RS485/422. On the blue'Log base module the four inputs (starting from left) of each RS485 interface can get used for connections via RS422 SolarNet protocol.

For cablings via RS422 via RS485 base module interfaces (Inputs from left to right) Rx+ ; Rx- ; Tx+ ; Tx- ; GND

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
------------	---------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Fronius SolarNet String Control

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	5 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

string.bloxx 116 EM 1500V series  
string.bloxx 116 EM 1500V

string.bloxx 124 EM 1500V series  
string.bloxx 124 EM 1500V

ⓘ Please note the string.bloxx 116 EM with 32 string inputs consists of two 16 string input versions. For a correct scan the two devices need to be scanned separately (1 x string.bloxx 116 EM with 32 string inputs = 2 devices each with its own bus address).

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



**COMMUNICATION**

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 2  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 100  
Protocol: ModbusRTU  
Bus speed: 9600 bps  
Bus speed default: 9600 bps  
Frame settings: 8N1, 8E1  
Frame settings default: 8N1  
Default address: 2

Timings  
Timeout: 2 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**ALARM MONITORING**

Alarm monitoring: Yes

---

**MEASUREMENT VALUES RECORDED**

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

**SUPPORTED DEVICES**

DC Current Measurement HW

Please contact Sales for details of compatibility with devices not listed.  
Phone: +49 (0)821 34666 - 80  
E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## KACO new energy blueplanet Argus (SunSpec)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

blueplanet Argus series		
blueplanet Argus 16 Mon	blueplanet Argus 20 Mon	blueplanet Argus 24 Mon
blueplanet Argus L-20	blueplanet Argus L-24	blueplanet Argus XL-20
blueplanet Argus XL-24		

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Powador Argus 16/24S DCS

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.03 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
------------	---------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Powador Argus series	
Powador Argus 16S DCS	Powador Argus 24S DCS

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Kernel sistemi

### ST0HS

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

ST0HS Series series		
ST0HS 0825	ST0HS 0845	ST0HS 0860
ST0HS 1225	ST0HS 1245	ST0HS 1260
ST0HS 1625	ST0HS 1645	ST0HS 1660
ST0HS 2025	ST0HS 2045	ST0HS 2060
ST0HS 2425	ST0HS 2445	ST0HS 2460

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

**COMMUNICATION**

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Please note connection of ST0Nxxxx via Modbus TCP only possible in combination with additional equipment. Please check with "Kernel sistemi". By default only possible connection via RS485 (Modbus RTU).

**ALARM MONITORING**

Alarm monitoring:	No
-------------------	----

**MEASUREMENT VALUES RECORDED**

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

- ⓘ The actually recorded values may vary due to the device model or the device firmware.

**SUPPORTED DEVICES**

ST0 Series series		
ST0 2415	ST0N 0825	ST0N 1225
ST0N 1625	ST0N 2025	
ST0N Series series		
ST0N 2415	ST0N 3215	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## ST1Nxxxx

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

ST1N Series series		
ST1N 0840	ST1N 1240	ST1N 1635
ST1N 2435		

Please contact Sales for details of compatibility with devices not listed.

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## ST1xxxx

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

### SUPPORTED DEVICES

ST1 Series series		
ST1 0630	ST1 0830	ST1 1030
ST1 1430	ST1 1630	ST1 2422

Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

KSM-V0.7	KSM-V0.8
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Please contact Sales for details of compatibility with devices not listed.

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---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	5 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

### SUPPORTED DEVICES

#### i'catcher series

i'catcher 8-1B	i'catcher 16-1B	i'catcher 24-1B
----------------	-----------------	-----------------

Please contact Sales for details of compatibility with devices not listed.

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## String Monitoring Unit (Kernel Sistemi ST2xxxx)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SMU 0825	SMU 1225	SMU 1625
SMU 2422		

Please contact Sales for details of compatibility with devices not listed.

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---

## Monsol

### 1000|1500V Shunt

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

1000|1500V Shunt

Please contact Sales for details of compatibility with devices not listed.

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---

## Noark

### SUP 4S-20S

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	17
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

SUP 4S-20S

Please contact Sales for details of compatibility with devices not listed.

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---

---

## COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ In order to measure voltage of the "voltage measuring module", it must be connected to the 8S module in the first channel. Connection of the "voltage measuring module" to the 4S module not possible.

Depending on the amount of modules connected the total amount of devices varies that can be connected to one blue'Log (e.g. 8 x 8S modules = 8 devices for the blue'Log).

---

## ALARM MONITORING

Alarm monitoring:	Yes
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---

## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

ⓘ Values for "Status" and "Temperature" will just be available for the first module if modules (4S, 8S) get connected to the first channel.

---

## SUPPORTED DEVICES

SCK-C-MODBUS

SCK-M-I-4S-20A

SCK-M-I-8S-20A

Please contact Sales for details of compatibility with devices not listed.

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---

## Power Electronics

### HE/HEC/HES Disconnecting Unit

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

HE/HEC/HES Disconnecting Unit

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	5 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Please note max. 4 String Supervisor can get connected to each Power Electronics "Solar Inverter". To avoid that String Supervisors are created multiple times it is recommended to only scan the first "Solar Inverter" of each Power Electronics inverter as String Supervisors of other "Solar Inverter" will get detected automatically during the scan.
- ⓘ The virtual address of each String Supervisor assigned during scanning on the blue'Log does not match the String Supervisor ID (SSx ID).

---

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
------------	---------------------

- ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

String Supervisor series	
String Supervisor 8	String Supervisor 32

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---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	38400 bps
Frame settings:	8E1, 8O1, 8N2
Frame settings default:	8E1
Default address:	5

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

ProSMS8-WM

#### ProSMS series

ProSMS 8	ProSMS 1500
----------	-------------

ⓘ When connecting the ProSMS 8-WM via the ProSMS-G it is necessary to select Parity "ODD" on blue'Log XM / XC for a successful scan.

---

Please contact Sales for details of compatibility with devices not listed.

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---

## Renovagy PV5690 String Monitoring System

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PV5690 String Monitoring System

Please contact Sales for details of compatibility with devices not listed.

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---

## PV5790 String Monitoring System

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

PV5790 String Monitoring System

Please contact Sales for details of compatibility with devices not listed.

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## Santerno

### Smart String Box

Beta version (see chapter „Beta version“)

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note:

-The "SSB CS-SP 16 600V" consists of 2 x "SSB CS-SP 8 600V" (1 x SSB CS-SP 16 600V = 2 devices)

-The "SSB CS-SP 24 600V" consist of 3 x "SSB CS-SP 8 600V" (1 x SSB CS-SP 24 600V = 3 devices)

For a correct scan the devices need to be scanned separately (1 x SSB CS-SP 16 600V = 2 devices each with its own bus address).

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

#### SUPPORTED DEVICES

Smart String Box series			
Santerno SSB CS-SP 8 600V	Santerno SSB CS-SP 16 600V	Santerno SSB CS-SP 24 600V	

Please contact Sales for details of compatibility with devices not listed.

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---

## Sunway TG ES1008

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T	Temperature

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Sunway TG ES1008

Please contact Sales for details of compatibility with devices not listed.

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---

## SENECA

### Z-4AI SCB (0 to 025A)

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Z-4AI SCB (0 to 025A)

Please contact Sales for details of compatibility with devices not listed.

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---



## Z-8AI SCB (0 to 025A)

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Z-8AI SCB (0 to 025A)

Please contact Sales for details of compatibility with devices not listed.

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---

## SIEL

### CSP12

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

CSP12

Please contact Sales for details of compatibility with devices not listed.

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E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SMA

### String-Monitor (SSM-U)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	120
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ Please note only Client / Slave IDs from 120-169 are supported by SMA.
- 

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

- ⓘ The actually recorded values may vary due to the device model or the device firmware.
- 

#### SUPPORTED DEVICES

##### SMA String-Monitor series

SSM-U-1610	SSM-U-1615	SSM-U-2410
SSM-U-2415	SSM-U-3210	SSM-U-3215

Please contact Sales for details of compatibility with devices not listed.

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---

## Sunny Central (1760-4600) Zone Monitoring

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	32
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ Please note only Client / Slave IDs 32 and 33 are supported by SMA.
- 

### ALARM MONITORING

Alarm monitoring:	No
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---

### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
------------	---------------------

- ⓘ The actually recorded values may vary due to the device model or the device firmware.
- 

### SUPPORTED DEVICES

Sunny Central (1760-4600) Zone Monitoring

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Sunny Central (CP, CP-US, CP-JP, HE-20) String Monitor

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	4
Remote Device Access:	No

#### Timings

Timeout:	5 seconds
Delay:	0.25 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Please note only Client / Slave IDs from 4-247 are supported by SMA.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.
- 

### SUPPORTED DEVICES

Sunny Central (CP, CP-US, CP-JP, HE-20) String Monitor

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Sunny Central (CP, CP-US, CP-JP, HE-20) Zone Monitoring

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	4
Remote Device Access:	No

#### Timings

Timeout:	5 seconds
Delay:	0.25 seconds

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ⓘ Please note only Client / Slave IDs from 4-247 are supported by SMA.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

- ⓘ The actually recorded values may vary due to the device model or the device firmware.
- 

### SUPPORTED DEVICES

Sunny Central (CP, CP-US, CP-JP, HE-20) Zone Monitoring

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

IFB/ FJB 8	IFB/ FJB 12	IFB/ FJB 16
IFB/ FJB 24	IFB/ FJB 32	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SolarMax

### MaxConnect PLUS (MaxComm Protocol)

---

#### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	MAX_COMM_SERIAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	3 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

MaxConnect PLUS series	
MaxConnect 12 PLUS	MaxConnect 16 PLUS

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Spelsberg

### PV Monitoring System

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
------------	---------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

PV Monitoring System

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## SunSpec Alliance

### Compatible string monitoring

---

#### COMMUNICATION

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 1  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 100  
Protocol: ModbusRTU  
Bus speed: 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps  
Bus speed default: 9600 bps  
Frame settings: 8N1  
Frame settings default: 8N1  
Default address: 1

Timings  
Timeout: 1 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring: Yes

---

#### MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Compatible string monitoring

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## TMEIC SGV

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SGV

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Transclinic 8i+	Transclinic 14i+	Transclinic 16i+
Transclinic 16i+ 1k5 H	Transclinic 16i+ 1k5 L	

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# Status DI external

ABB

RIO600 - DIM8

Beta version (see chapter „Beta version“)

---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

## ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

## MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
---------------	------------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

RIO600 - DIM8

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## CRD

### CRD600A

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note that the CRD600A does not support Modbus TCP by default. Connection via Ethernet just possible by using an additional RS485/Ethernet converter. Please get in touch with meteocontrol Sales for clarification regarding Ethernet connection.

---

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
---------------	------------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

CRD600A

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## EXPERT EX9053DM

---

### COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	46
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

### Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
---------------	------------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

EX9053DM

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

*COMMUNICATION*

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

*ALARM MONITORING*

Alarm monitoring:	No
-------------------	----

---

*MEASUREMENT VALUES RECORDED*

D_IN (1,...x)	Digital input (1,...x)
---------------	------------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

*SUPPORTED DEVICES*

SmartLogger 2000 DI Status

ⓘ Please note the driver does not work in combination with SmartLogger1000.

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



**COMMUNICATION**

Communication interface: Ethernet  
Max. number of devices: 100  
Protocol: ModbusTCP  
Port: 502  
Default address: 1  
Remote Device Access: No

Communication interface: RS485  
Max. number of devices per bus: 100  
Protocol: ModbusRTU  
Bus speed: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps  
Bus speed default: 38400 bps  
Frame settings: 8N2  
Frame settings default: 8N2  
Default address: 1

Timings  
Timeout: 1 seconds  
Delay: none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

**ALARM MONITORING**

Alarm monitoring: No

---

**MEASUREMENT VALUES RECORDED**

D\_IN (1,...x) Digital input (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

**SUPPORTED DEVICES**

Sunway TG Remote I/O

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SMA

### ioLogik E1210-T

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	No
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---

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
---------------	------------------------

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

ioLogik E1210-T

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## WAGO

### I/O Systems series 750, 750XTR, 753, 767

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 7N2
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

④ On a 8 channel digital input module the number of the digital input doesn't match to the number of the connection pin. Please consider this when configuring the device in the blue'Log. Please check the manufacturer manual.

#### Example:

First module next to the communication module: DI1 = Pin 1, DI2 = Pin 5, DI3 = Pin 2, DI4 = Pin 6, DI5 = Pin 3, DI6 = Pin 7, DI7 = Pin 4, DI8 = Pin 8

Second module next to the communication module: DI9 = Pin 1, DI10 = Pin 5, DI11 = Pin 2, DI12 = Pin 6, DI13 = Pin 3, DI14 = Pin 7, DI15 = Pin 4, DI16 = Pin 8)

#### ALARM MONITORING

Alarm monitoring:	No
-------------------	----

#### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

#### SUPPORTED DEVICES

I/O-System 750 series  
I/O-System 750

Speedway 767 series  
Speedway 767

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ The driver supports a maximum amount of 64 connected I/O modules (e.g. UR20-16DI-P / UR20-4AI-RTD-DIAG)

Depending on the amount of I/O modules connected the total amount of devices varies that can be connected to one blue'Log (e.g. 3 x UR20-16DI-P = 3 devices).

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

ⓘ Values for "Status" and "Error" are just available for the first I/O module connected to the UR20-FBC-MOD-TCP-V2.

---

### SUPPORTED DEVICES

UR20-4AI-RTD-DIAG	UR20-16DI-P
-------------------	-------------

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

# Tracker

AlionEnergy

Storm Tracker

---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

### Timings

Timeout:	1 seconds
Delay:	none

① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

① Please note the driver only supports the following Modbus mappings : rev\_D, rev\_E, rev\_G, rev\_I

---

## ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

## MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

Storm Tracker

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	200
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	200

### Timings

Timeout:	1 seconds
Delay:	none

- ④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ④ Communication via Modbus TCP only possible in combination with additional equipment. For communication via Modbus TCP please get in touch with "Arctech Solar".

---

## ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

AZIMUTH	Azimuth
AZIMUTH_TARGET	Azimuth, target value
ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ④ The actually recorded values may vary due to the device model or the device firmware.

## *SUPPORTED DEVICES*

Sky Smart System

Sky Smart System II

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## Array Technologies

### Dura Track Hz

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Dura Track Hz

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Braux SL series

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ① Please note the driver only supports the following Modbus mappings : rev\_D, rev\_E, rev\_G, rev\_I

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SL series

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Convert Valmont

### TRJ-AI

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

TRJ-AI

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## FTC Solar

### Voyager

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_RF_ABS1	Precipitation quantity, absolute
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

- ④ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Voyager

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## GameChange Solar

### Genius Tracker

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
E_W_S1	Wind speed 1
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Genius Tracker

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ① One Ideematec Tracker controller consists of up to 120 Tracker and 1 Sensor box (121 devices).

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

safe Track Trackersystem

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## NCLAVE

### Solar tracker SP1000

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Solar tracker SP1000

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SP160

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

SP160

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## NEXTracker

### NX Horizon

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ④ It is possible to connect a combination of up to 100 SPCs (Self-Powered Controller) and Weather Stations to a single NCU (Network Control Unit).  
Depending on the amount of SPCs and Weather Stations connected to the NCU the total amount of devices varies that can be connected to one blue'Log (e.g. 99 SPCs + 1 Weather Station = 100 devices).

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#### ALARM MONITORING

Alarm monitoring:	Yes
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#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ④ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

NX Horizon

Please contact Sales for details of compatibility with devices not listed.  
Phone: +49 (0)821 34666 - 80  
E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## Powerway Tracker Control Box

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

④ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

④ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

AZIMUTH	Azimuth
ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

④ The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Tracker Control Box

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## PVHardware

### Axone Duo

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.

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#### ALARM MONITORING

Alarm monitoring:	Yes
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#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D	Wind direction
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Axone Duo

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## Monoline

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D	Wind direction
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.
- 

### SUPPORTED DEVICES

Monoline

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# Solar FlexRack

## Turnkey Solar Tracker

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ① Please note the driver only supports the following Modbus mappings : rev\_D, rev\_E, rev\_G, rev\_I

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Turnkey Solar Tracker

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
  - ① For a successful scan the angle of the trackers must not be zero degrees. If the angle will be zero degrees the scan will fail.
- 

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.
- 

### SUPPORTED DEVICES

SF Tracker

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ① Please note that max. 250 trackers can get connected to a single blue'Log with activated tracker mode even if it is possible to connect up to 1000 devices to one Soltigua iTracker Control Panel.

---

### ALARM MONITORING

Alarm monitoring:	Yes
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---

### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

iTracker

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

## SunTrack

### Network Control Unit

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ① Please note the driver only supports the following Modbus mappings : rev\_D, rev\_E, rev\_G, rev\_I

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.
- 

#### SUPPORTED DEVICES

Network Control Unit

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



# TerraTrak

## Trak

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the vendor of the tracker system how many tracker max. can get connected for each tracker solution.
- ① The TerraTrak system can consist of several Unit-IDs by looking at the Modbus mapping. For each Unit-ID the maximum amount of 100 trackers and 2 weather stations can get connected. Please make sure not to exceed the limit of 250 trackers which can max. get connected to a single blue'Log.

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### ALARM MONITORING

Alarm monitoring:	Yes
-------------------	-----

---

### MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
E_W_S_MA (1,...x)	Maximum wind speed
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

Trak

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---

# Battery

## ADS-TEC

### StoraXe Master

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

StoraXe Master

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## Delta

### RT-10K

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ To enable communication via Modbus RTU the "Switches" of the RT-10K need to be set to:

- set SW1 to > 0
- set SW3 to "MODBUS Protocol"
- set SW4 to "RS485"

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

RT-10K

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## INTILION

### scalebloc

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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---

#### MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_I_DC	Current charging current DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOH	State of health
B_T_M1_1	Module temperature Rack 1 Module 1
B_T_M_MAX1	Maximum module temperature rack 1
B_T_M_MIN1	Minimum module temperature rack 1
B_U_CELL_AVG	Cell voltage mean value
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

scalebloc

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

## Tesla

### Energy Storage System

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	none

- ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ⓘ Please note in case a battery meter should be connected to the Tesla system the blue'Log will automatically create an additional meter device besides the battery on the blue'Log during the scan.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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#### MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_STP_P	Active power setpoint
ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC

- ⓘ The actually recorded values may vary due to the device model or the device firmware.

---

#### SUPPORTED DEVICES

Energy Storage System

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

# Genset

## Deep Sea Electronics

### 7310MkII

Beta version (see chapter „Beta version“)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

#### Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

---

#### ALARM MONITORING

Alarm monitoring:	Yes
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## MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

① The actually recorded values may vary due to the device model or the device firmware.

---

## SUPPORTED DEVICES

7310MkII

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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## DEIF

### ASC Genset (with AGC)

---

#### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.02 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
  - ① Depending on the amount of gensets connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).
  - ① The gensets must be equipped with DEIF AGC controllers connected to the ASC on the DEIF internal Power Management communication line.
- 

#### ALARM MONITORING

Alarm monitoring:	Yes
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#### MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
OT_TOTAL	Operation hours
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

- ① The actually recorded values may vary due to the device model or the device firmware.
- 

#### SUPPORTED DEVICES

ASC Genset (with AGC)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

---



## ASC Genset (without AGC)

Beta version (see chapter „Beta version“)

---

### COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

#### Timings

Timeout:	1 seconds
Delay:	0.02 seconds

- ① The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
- ① Depending on the amount of gensets connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).
- ① If the ASC receives data not from the DEIF AGC controllers but from meters connected to the ASC then it's necessary to use this driver.

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### ALARM MONITORING

Alarm monitoring:	No
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### MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

- ① The actually recorded values may vary due to the device model or the device firmware.

---

### SUPPORTED DEVICES

ASC Genset (without AGC)

Please contact Sales for details of compatibility with devices not listed.

Phone: +49 (0)821 34666 - 80

E-mail: [sales@meteocontrol.com](mailto:sales@meteocontrol.com)

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# Appendix

## SunSpec measurement values

The following list of measurement values shows the maximum set of values which are available for each device category and SunSpec models. Depending on the manufacturer of the device the available values vary.

### Inverter

#### SUNSPEC MODELS 101, 102, 103

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC total
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

#### SUNSPEC MODELS 122

E_TOTAL	Energy total
R_ISO	Insulation resistance

#### SUNSPEC MODELS 123

No measurements recorded

#### SUNSPEC MODELS 160

ERROR (1,...x)	Error (1,...x)
I_DC	Current DC total
P_DC	Power DC
U_DC	Voltage DC

### Sensor

#### SUNSPEC MODELS 302

SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SRAD4	Irradiance 4
SRAD5	Irradiance 5

*SUNSPEC MODELS 303*

T Temperature

*SUNSPEC MODELS 305*

E\_ALT1 Altitude

*SUNSPEC MODELS 307*

E\_AH\_REL1 Humidity, relative  
E\_AP\_ABS1 Air pressure, absolute  
E\_PRECIPITATION Precipitation type  
E\_RF\_ABS1 Precipitation quantity, absolute  
E\_SNOW\_DEPTH Snow depth  
E\_W\_D Wind direction  
E\_W\_S Wind speed  
T Temperature

*SUNSPEC MODELS 308*

E\_W\_S Wind speed  
SRAD Irradiance  
T (1,...x) Temperature (1,...x)

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## Meter

*SUNSPEC MODELS 201, 202, 203, 204*

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

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## String monitoring

*SUNSPEC MODELS 401, 402, 403, 404*

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T	Temperature
U_DC	Voltage DC

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