

Регистраторы данных Ser[LOG]

Технические характеристики

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Ser[LOG]

Data Logger - Next Level

APPLICATIONS

- Environmental and agricultural networks
- Meteorology
- Universities
- National governments
- Industry
- Health resorts
- Aviation

THE NEXT GENERATION OF SCALABLE METEOROLOGICAL COMMUNICATION PLATFORMS

Reliable data logging is crucial for an effective weather monitoring solution. With its next-level features, the advanced Ser[LOG] data logger sets new standards in data acquisition technology. With a variety of customizable configurations and state-of-the-art communication interfaces, it is the perfect solution for your measurement needs. Existing sensors, including those from other manufacturers, can be easily added and used with the included sensor library. The Ser[LOG] data loggers are ideal for setting up even large weather measurement networks.

- WMO-compliant wind measurement and gust calculation
- Optimized internal system monitoring for early problem detection
- Maximum versatility with 250 simultaneous measurements
- Dual modem support for reliable and seamless data transmission
- Encrypt, protect and securely transfer data online with TLS 1.3
- 70 % less energy consumption than its predecessor in low-power mode

Data sheet

Professional Line	Ser[LOG]
Id-No.:	00.95770.300000
Signal input:	2 status inputs
Output:	2 potential-free, programmable relays; expandable up to 10 relays with a maximum of 8 Modbus relays
Interface:	1 x SDI-12; 5 x RS 485; 6 x RS 422; 4 x RS 232; USB Device; USB Host; Ethernet
Operating conditions:	-30...+70 °C; 5...95 % r. h. (non condensing)
Supply voltage:	10...30 VDC
Current consumption:	Low power mode: 12 mA at 12 V; from 34 mA (12 V) up to 200 mA (12 V) - configuration-dependent
Storage capacity:	1 year in ring memory (8-byte IEEE real format) - configuration-independent
Ethernet:	100 MBit; connector RJ45
Dimensions:	135 x 135 x 72 mm
Weight:	Approx. 0.9 kg
EMC standards / Electrical safety:	IEC 60945; RS422 and RS485 up to 2.5 kV isolated; all interfaces with 15 kV ESD protection
Cyber security:	TLS 1.3: FTP / FTPs; email; MQTT; HTTP post; SSH: SFTP
Included in delivery:	USB cable; Ser[LOG] Commander management app



Ser[LOG] Data Logger

APPLICATIONS

- Environmental and agricultural networks
- Meteorology
- Universities
- Authorities
- Industry
- Health resorts
- Air traffic control

THE POWERFUL DATA LOGGER

The Ser[LOG] collects your weather data (wind, precipitation, air temperature, relative humidity, air pressure and radiation) in a single place and provides real-time visualization. The Ser[LOG] Commander management app gives you maximum freedom to customize your measurement tasks.

OVERVIEW:

- Collect and process up to 60 measured values with Modbus RTU
- Up to 32 Modbus TCP connections with sensors from other manufacturers
- Alarm system for 10 warning channels using built-in and external relays (e-mail, SMS)
- Extensive sensor library
- Formulary and free formula parser
- Interference-proof due to high-quality, shielded aluminium housing
- User-friendly with free access to all connections and controls

Data sheet

Professional Line	Ser[LOG]
Id-No.:	00.95770.000000
Signal input:	COM5 also available as SDI12; 2 status inputs
Output:	2 potential-free, programmable relays; with max. 8 Modbus relays expandable to 10 relays
Interface:	5 x RS 485 · 6 x RS 422 · 4 x RS 232 · USB-Device · USB-Host · Ethernet
Operating conditions:	-30...+70 °C · 5...95 % r. h. (not condensing)
Supply voltage:	10...30 VDC
Current consumption:	From 34 mA (12 V) up to 200 mA (12 V) depending on configuration
Storage capacity:	1 year in ring memory (8-byte IEEE real format) - configuration-independent
Data transfer:	Communication paths (see overview)
Ethernet:	100 MBit; connector RJ45
Dimensions:	135 x 135 x 72 mm
Weight:	Approx. 0.9 kg
EMC standards / Electrical safety:	IEC 60945; RS422 and RS485 up to 2.5 kV isolated; all interfaces with 15 kV ESD protection
Included in delivery:	USB cable; Ser[LOG] Commander management app

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