

# Ser[LOG] DATA LOGGER - NEXT LEVEL



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

## APPLICATIONS

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

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)

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Professional Line	Ser[LOG]
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

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