

## Ser[LOG]

### Data loggers for serial sensors

The Ser[LOG] system family allows you the greatest possible freedom for customizing your measurement tasks:

- ✓ extensibility due to modular design
- ✓ high flexibility due to a variety of configuration options
- ✓ many possibilities through state-of-the-art communication interfaces

Ser[LOG] can be extended to a total of 3 AnDiMod analog/digital measuring modules. Available then up to 36 differential analog channels, 11 digital channels.

### Features:

- extensive sensor library
- formulary and free formula parser
- integrated alarm system for 10 alarm outputs via built-in and external relays, email, SMS
- interference-proof due to high-quality, shielded aluminium housing
- user-friendly with free access to all connections and controls

### Applications:

Meteorology • environmental and agricultural monitoring networks • water management • industry • measurement and control technology • spas • airports • authorities applications



Professional Line	Data logger Ser[LOG]	Id-No. 00.95770.000 000
Communication interfaces:	5 x RS 485 · 6 x RS 422 · 4 x RS 232 · USB-Device · USB-Host · Ethernet	
Signal inputs:	COM5 also available as SDI12 · 2 status inputs	
Resolution:	16 bit ADC with up to 1024-times oversampling • processing in 8-byte IEEE real format	
Outputs:	2 potential-free, programmable relays • with max. 8 Modbus relays expandable to 10 relays	
Ethernet:	100 MBit • connector RJ45	
External supply (V <sub>0</sub> ):	10...30 VDC	
Current consumption:	from 34 mA (12 V) up to 200 mA (12 V) depending on configuration	
Environmental conditions:	-30...+70 °C • 5...95 % r. h. (not condensing)	
EMC:	IEC 60945 • RS422 and RS485 up to 2.5 kV isolated • all interfaces with 15 kV ESD protection	
Mount:	35 mm DIN rail	
Dimensions/ Weight:	135 x 135 x 72 mm • approx. 0.9 kg	
Communication paths:	Ser[LOG] - User: either via USB storage device, cable, network, Bluetooth or mobile communications (GPRS, EDGE, UMTS, HDSP, LTE) · dialogue support (SNAP), FTP, email, SMS • Ser[LOG] - Sensors: either NMEA, Modbus RTU, Modbus TCP, SDI12 and numerous proprietary protocols (other protocols on request)	
Memory:	1 year in ring memory (8-byte IEEE real format) - configuration-independent	
Included in delivery :	USB cable · configuration software Ser[LOG]-Commander	