Sixteen Channel Data Logger with Alarms

code: MS55D

The complete solution for monitoring of temperature, humidity, pressure, CO2, voltage, current, pulses, events and other signals. Configurable inputs and outputs.
Data loggers are designed for measuring, recording, evaluation and subsequent processing of input electrical signals, which are subject to relatively slow changes (> 1s). In conjunction with the appropriate sensors and transducers are suitable for monitoring physical quantities.

The device **includes traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of EN ISO / IEC 17025. The calibration sheet is always loaded as modules.
If the defined required configuration of inputs by, calibration certificate proves calibration inputs according to the required configuration - more than one range for each of the 16 inputs.

Processing and analysis of measured data with connected Ethernet module:

- online in COMET Cloud
- COMET Database software

With a newly purchased MS measuring unit, you receive 3 months of COMET Cloud for free; a full year of operation in COMET Cloud then requires 2 credits.

Technical data

GENERAL TECHNICAL DATA	
Operating temperature	0 to +50 °C
Channels	1 to 16 hardware modules
Memory	2MB (up to 480 000 values)
Memory type	internal SRAM, backed-up by Lithium battery
Recording interval	adjustable individually for all input channels from 1 second to 24 hours
Recording interval	noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new
Real time clock	year, leap year, month, day, hour, minute, second, backed-up by Lithium battery
Resolution of the AD converter (analog channels)	16 bits, conversion duration approximately 60ms/channel
Communication speed	9600, 19200, 57600, 115200 Bd, 230400* Bd (* pro USB, Ethernet)
Communication protocol	www, XML, SNMP, SOAP, ModbusTCP
Alarm protocols	email, SNMP trap, Syslog
Power	9 to 30Vdc, 24Vdc recommended
Protection class	IP20
Dimensions (including connectors)	215 x 225 x 60 mm

Weight	approx. 800 g
Warranty	3 years