Sixteen Channel Data Logger with Alarms



code: MS6R

The complete solution for monitoring of temperature, humidity, pressure, CO2, voltage, current, pulses, events and other signals. Universal configurable inputs and outputs. For desktop use with rubber feet - see Optional accessories. For mounting to 19" rack - one rack unit 1U.
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 optional Ethernet module):

- online in COMET Cloud
- COMET Database software

Technical data

GENERAL TECHNICAL DATA	
Operating temperature	0 to +50 °C
Channels	1 to 16 inputs - software configurable
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	24 Vdc
Protection class	IP20
Dimensions (including connectors)	225 x 230 x 44 mm - one rack unit 1U
Dimensions without rack holders	225 x 230 x 44 mm - one rack unit 1U
Weight	approx. 800 g
Warranty	3 years