

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 optional Ethernet module):

- online in [COMET Cloud](#)
- [COMET Database](#) software

Technical data

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| 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 |