# 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<br>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 |