

Sixteen Channel Data Logger with Alarms

code: MS6D



The complete solution for monitoring of temperature, humidity, pressure, CO₂, voltage, current, pulses, events and other signals. Universal 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 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) | 215 x 225 x 44 mm |
| Weight | approx. 800 g |
| Warranty | 3 years |