# Sixteen Channel Data Logger for 19" Rack with Alarms



code: MS6-Rack

The complete solution for monitoring of temperature, humidity, pressure, CO2, voltage, current, pulses, events and other signals. Universal configurable inputs and outputs. For mounting to 19" rack - one rack unit 1U. Enables to build in the optional MP050 output relays module with 16 relays - see Optional accessories.
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

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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<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) |

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| Communication protocol | www, XML, SNMP, SOAP, ModbusTCP |
| Alarm protocols | email, SNMP trap, Syslog |
| Power | 24 Vdc |
| Protection class | IP20 |
| Rozměry | 483 x 190 x 44 mm - one rack unit 1U |
| Weight | approx. 800 g |
| Warranty | 3 years |