

## Multilogger - thermo-hygro-CO2-barometer with 2 MiniDIN and 2 Terminals

code: M1323



Battery powered datalogger with built-in CO2 and atmospheric pressure sensor and 4 universal inputs for measurement of temperature, humidity, 0-10V voltage, 0-20mA current, two-state signal and for counting pulses. Multilogger can be installed permanently to Ethernet network or work as portable device.

Included is traceable calibration certificate in accordance with EN ISO/IEC17025.

The Multilogger is a battery operated datalogger capable of measuring and recording sensor and electrical values through its inputs.

Datalogger can be connected to Ethernet. Then measured values can be viewed on a web browser, as well as stored and downloaded for later analysis.



**Possibility to [extend the measuring range](#) for an additional charge:**

- Measuring range: 0 to 10 000 ppm
- Accuracy: 100 ppm + 5% of the measured value at 25 °C and 1013 hPa

### Technical data

|  |   |
|--|---|
| TEMPERATURE SENSOR - external probe Pt1000             |   |
| Measuring range  | -200 to +600 °C   |
| Accuracy   | ±0.2 °C (-200 to +100 °C); <br>±0.2 % from reading from +100 to +600 °C |
| Resolution   | 0.1 °C  |
| TEMPERATURE+HUMIDITY SENSOR - external probe T+RH DIGI |   |
| Measuring range  | according to the connected probe Digi/M                                 |
| Accuracy   | according to the connected probe Digi/M                                 |
| Resolution   | 0.1 °C  |
| DEW POINT  |   |
| Measuring range  | according to the connected probe Digi/M                                 |
| Accuracy   | according to the connected probe Digi/M                                 |
| Resolution   | 0.1 °C  |
| ATMOSPHERIC PRESSURE SENSOR                            |   |
| Measuring range  | 700 hPa to 1100 hPa   |
| Accuracy   | ±1,3 hPa at 23 °C   |
| Resolution   | 0.1 hPa   |
| CO2 SENSOR   |   |
| Measuring range  | 0 to 2 000 ppm  |

|  |   |
|--|---|
| Accuracy                               | 50 ppm + 2 % of the measured value at 23 °C a 1013 hPa  |
| Resolution                             | 1 ppm   |
| DC VOLTAGE                             |   |
| Measuring range                        | 0 to 10 V   |
| Accuracy                               | ±10 mV  |
| Resolution                             | better than 100 µV  |
| DC CURRENT                             |   |
| Measuring range                        | 0 to 20 mA  |
| Accuracy                               | ±20 µA  |
| Resolution                             | better than 0,1 µA  |
| BINARY SIGNAL                          |   |
| Input voltage for level "switched on"/ | <0,4 V/> 2 V  |
| Minimum/maximum input voltage          | 0 V/+30 V DC  |
| Impedance of the "switched on"/        | < 10 kOhm/> 300 kOhm  |
| COUNTER INPUT                          |   |
| Range of counter                       | 24 bit (16 777 215) the counter overflow can be allowed   |
| Maximum input frequency                | 200 Hz  |
| GENERAL TECHNICAL DATA                 |   |
| Operating temperature                  | -10 to +60 °C   |
| Channels                               | internal atmospheric pressure sensor a CO <sub>2</sub> , 2x external temperature probe or connectable temperature+humidity probe, <br>2x binary, counter, voltage and current input |
| Counted values                         | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy  |
| Memory                                 | 1 000 000 values (noncyclic record), 600 000 values (cyclic record)   |
| Recording interval                     | 1s to 24 hours  |
| Display and alarm refresh              | each 10 s   |
| Recording mode                         | noncyclic - data logging stops after filling the memory<br>cyclic - after filling memory oldest data is overwritten by new  |
| Available temperature units            | degrees Celsius, degrees Fahrenheit   |
| Communication interface                | Ethernet, USB, RS232  |
| Ethernet communication protocols       | WWW, SNMPv1, XML, DATALINK  |
| Alarm protocols                        | E-Mail  |
| Power                                  | AC adapter 230Vac/5Vdc (necessary for Ethernet interface)   |
| Battery life                           | 3 - 4 weeks   |
| Protection class                       | IP20  |
| Dimensions (without connectors)        | 178 x 95 x 37mm, without attached cables  |
| Weight (including batteries)           | approx. 380 g   |
| Warranty                               | 3 years   |