# Multilogger - thermo-hygro-CO2 meter with four inputs, up to 50 000ppm CO2

code: M1440



Battery powered datalogger for external CO2 probe up to 10 000ppm or 50 000ppm and inputs for connecting up to three temperature and/or humidity probes.
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.

## Technical data

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| 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 |
| CO2 SENSOR 10.000ppm (OPTIONALLY) | |
| Measuring range | 0 to 10.000 ppm |
| Accuracy | 100 ppm + 5% of the measured value at 23 °C a 1 013 hPa |
| CO2 SENSOR 50.000ppm (OPTIONALLY) | |
| Measuring range | 0 to 50.000ppm |
| Accuracy | < ±(1,5 % from full scale +2% from the measured value) |
| Resolution | 1 ppm |
| External probe cable length CO2 | 1, 2 or 4 meters |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -10 to +60 °C |

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|---|---|
| Channels | 3x external temperature probe or connectable temperature+humidity probe, 1x external CO<sub>2</sub> sensor |
| 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 (neccessary 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 |