

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.



Technical data

TEMPERATURE SENSOR - external probe Pt1000	
Measuring range	-200 to +600 °C
Accuracy	± 0.2 °C (-200 to +100 °C); ± 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	
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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
I mpedance 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 ₂ , 2x external temperature probe or connectable temperature+humidity probe, 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 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	
Alarm protocols	WWW, SNMPv1, XML, DATALINK
Power	WWW, SNMPv1, XML, DATALINK E-Mail
Battery life	E-Mail AC adapter 230Vac/5Vdc (neccessary for Ethernet interface) 3 - 4 weeks
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Battery life Protection class	E-Mail AC adapter 230Vac/5Vdc (neccessary for Ethernet interface) 3 - 4 weeks IP20