

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



code: M1321

Battery powered datalogger with built-in 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	600 hPa to 1100 hPa
Accuracy	±1,3 hPa at 23 °C
Resolution	0.1 hPa
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

BINARY SIGNAL Input voltage for level "switched on"/ Minimum/maximum input voltage Impedance of the "switched on"/ Range of counter Range of counter Range of counter Range of counter Respect to the switched on"/ Respect to the switched on "/ Respect to the switc	Resolution	better than 0,1 μA
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 Channels internal atmospheric pressure sensor, 2x external temperature probe or connectable temperature probe or connectable temperature thumidity probe, voltage and current input Counted values dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy Memory 1000 000 values (noncyclic record), 600 000 values (cyclic record) Recording interval 1 s to 24 hours Display and alarm refresh each 10 s Recording mode noncyclic - data logging stops after filling the memory available temperature units degrees Celsius, degrees Fahrenheit Communication interface Ethernet, USB, RS232 Ethernet communication protocols WWW, SNMPv1, XML, DATALINK Alarm protocols Ethernet USB, RS232 Ethernet protection class IP20 Dimensions (without connectors) 178 x 95 x 37mm, without attached cables Weight (including batteries) approx. 380 g	BINARY SIGNAL	
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Weight (including batteries) approx. 380 g	Protection class	IP20
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Warranty 3 years	Weight (including batteries)	approx. 380 g
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