

## 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	$\pm 0.2$ °C (-200 to +100 °C); $\pm 0.2$ % 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 switched on"/ Respect to the switched on "/ Respect to the switched on"/ Respect to the switched on "/ Respect to the	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	
Impedance of the "switched on"/  COUNTER INPUT  Range of counter  Range of counter  24 bit (16 777 215) the counter overflow can be allowed  Maximum input frequency  GENERAL TECHNICAL DATA  Operating temperature  Channels  Channels  Counted values  Memory  According interval  Display and alarm refresh  Recording mode  Available temperature units  Communication interface  Ethernet, USB, RS232  Ethernet communication protocols  Battery life  Battery life  Battery life  Battery life  Battery life  Battery life  Dimensions (without connectors)  Weight (including batteries)  A 24 bit (16 777 215) the counter overflow can be allowed all	Input voltage for level "switched on"/	<0,4 V/> 2 V
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Range of counter  Maximum input frequency  GENERAL TECHNICAL DATA  Operating temperature  Channels  Counted values  Memory  Memory  Memory  Display and alarm refresh  Recording mode  Available temperature units  Available temperature units  Communication interface  Ethernet communication protocols  Ethernet communication protocols  Battery life  Power  Battery life  Battery life  Battery life  Brid 18 4 bit (16 777 215) the counter overflow can be allowed allowed allowed allowed allowed allowed allowed allowed and current input  Available temperature units  Ac adapter 230Vac/5Vdc (neccessary for Ethernet interface)  Battery life  Battery life  Dimensions (without connectors)  Weight (including batteries)  Available temperature units allowed	I mpedance of the "switched on"/	< 10 kOhm/> 300 kOhm
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Display and alarm refresh  Recording mode  Recording mode  Available temperature units  Communication interface  Ethernet, USB, RS232  Ethernet communication protocols  Alarm protocols  Alarm protocols  Battery life  Battery life  Protection class  Display and alarm refresh  each 10 s  noncyclic - data logging stops after filling the memory oldest data is overwritten by new  degrees Celsius, degrees Fahrenheit  Ethernet, USB, RS232  Ethernet communication protocols  WWW, SNMPv1, XML, DATALINK  Alarm protocols  E-Mail  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)	Memory	
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Warranty 3 years	Weight (including batteries)	approx. 380 g
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