Temperature and humidity data logger with connector for another temperature probe

code: U3631



Datalogger is designed to record temperature and humidity from built-in sensors and from one external temperature probe Pt1000.
The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

In case of exceeded set limits alarms are indicated by LED, LCD and acoustically by built-in beeper.

Recorder **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard.**

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +70 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
TEMPERATURE SENSOR - external probe Pt1000	
Measuring range	-90 to +260 °C
Accuracy	±0.2 °C (-50 to +100 °C); ±0.2 % from reading from +100 to +260 °C; ±0.4 % from reading from -90 to -50 °C
Resolution	0.1 °C
HUMIDITY SENSOR	
Measuring range	0 to 100 % RH
Accuracy	± 1.8 % RH
Resolution	0.1% RH
DEW POINT	
Measuring range	-60 to +70 °C
Accuracy	±1.5 °C at ambient temperature T <25 °C and RH >30 %
Resolution	0.1 °C
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +70 °C
Channels	internal temperature and humidity sensor, 1x external temperature probe
Memory	500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode
Recording interval	adjustable from 1 s to 24 h
Display and alarm refresh	adjustable 1 s, 10 s, 1 min
Recording mode	noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new
Real time clock	year, leap year, month, day, hour, minute, second

Power	Lithium battery 3.6V, size AA
Protection class	IP67 electronics; IP30 sensors
Dimensions	61 x 93 x 32 mm
Weight (including batteries)	approx. 120 g
Warranty	3 years