Temperature data logger for four external Pt1000 probes

□□: U0141



The Datalogger is designed to record temperature for four external Pt1000 probes. In case of exceeded set limits, SMS and JSON messages can be sent via GPRS data connection. It is possible to set the regular sending of JSON messages to COMET Database, the sending interval is adjustable.
The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

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

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TEMPERATURE SENSOR - external probe Pt1000	
Measuring range	-200 to +260 °C
Accuracy	±0.2 °C in a range of (-200 to +100) °C ±0.2 % of the measurement value in a range of (+100 to +260) °C
Resolution	0.1 °C
Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s)	according to the connected probe
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +70 °C
Channels	4x 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 3.6 V, size AA
Protection class	IP67
Dimensions	61 x 93 x 32 mm
Weight (including batteries)	approx. 130 g
Warranty	3 years