IoT Wireless Temperature Datalogger for 2 external probes, with built-in GSM modem

□□: U0121M





GSM Datalogger is designed to record temperature from four external Pt1000 probes. In case of exceeded set limits, SMS and JSON messages can be sent via GPRS data connection. Measured values can be sent to the internet storage COMET Cloud, which is a complete monitoring, alarm and analysis system.

It is also possible to set the regular sending of JSON messages to COMET Database, the sending interval is adjustable. Alarms are also indicated locally by LED, LCD and acoustically by built-in beeper.
The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via included USB-C cable.

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 Measuring Range	-200 to +260°C
Construction Type	For external temperature probes Pt1000
Accuracy of temperature measurement	±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 of the reading	0.1°C
Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s)	According to the connected probe
Real time clock	Year, leap year, month, day, hour, minute, second
Data logging interval	Adjustable from 1s to 24h
Display and alarm refresh	Adjustable 1s, 10s, 1min
Total memory capacity	500 000 values in noncyclic logging mode, 350 000 values in cyclic record mode
Data logging mode	Noncyclic - data logging stops after filling the memory, cyclic - after filling memory oldest data is overwritten by new
Power	Battery SONY LiIon 5200mAh
IP protection	IP67 - protected against influence of temporary immersion into water
Dimensions	61x93x53, with antenna 120x93x53
Weight including battery	270 g
Warranty	3 years