IoT Wireless Temperature Datalogger for 4 external probes, with built-in 2G modem and Flat Rate SIM Card

code: U0141Msim



IoT Wireless Datalogger kit with built-in GSM modem and Flat Rate SIM Card allows the instant connection to the COMET Cloud.
IoT Datalogger is designed to record temperature from up to 4 external sensors. In case of exceeded set limits e-mail is sent, SMS and JSON messages can be sent via GPRS data connection.

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.

GSM 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 - 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
GSM MODEM PARAMETERS	
Quad-band	850/900/1800/1900MHz
Compliant to GSM	Phase2/2+
GPRS	GPRS mobile station class B
Class 4	2W @ 850/900MHz
Class 1	1W @ 1800/1900MHz
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	4x external temperature probe
Memory	500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode
Recording interval to the internal memory	adjustable from 1 second to 24 hours
Recording interval to the COMET Cloud	from 5 minutes
Interval for measuring and evaluating alarms	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	rechargeable Li-Ion battery A8200, 3.6V/5200mAh
Protection class	IP67
Dimensions	61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm

Weight (including batteries)	approx. 270 g
Warranty	3 years