

IoT Wireless Temperature Datalogger, with built-in sensor, GSM modem and Flat Rate SIM Card

code: U0110Msim



IoT Wireless Datalogger kit with built-in GSM modem and Flat Rate SIM Card allows the instant connection to the COMET Cloud.

Measured values can be sent to the internet storage [COMET Cloud](#), which is a complete monitoring, alarm and analysis system. IoT Datalogger is designed to record temperature from built-in sensor. In case of exceeded set limits e-mail is sent from the COMET Cloud.

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	
Measuring range	-20 to +60 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s)	15 min
GENERAL TECHNICAL DATA	
Operating temperature	-20 to +60 °C
Channels	internal temperature sensor
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	battery SONY Lilon 5200mAh
Protection class	IP67
Dimensions	61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm
Weight (including batteries)	approx. 260 g
Warranty	3 years