

# IoT Wireless Temperature Datalogger, with built-in sensor, 4G modem and Flat Rate SIM Card

code: U0110Gsim



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   |
| GSM MODEM PARAMETERS  |  |
| LTE Cat 1   | LTE FDD/GSM/GPRS/EDGE  |
| Supported network types   | GSM/GPRS/EDGE 900/1800 MHz <br>LTE FDD B1/B3/B5/B7/B8/B20  |
| 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 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<br>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. 260 g  |
| Warranty  | 3 years  |