

# IoT Wireless Temperature and Relative Humidity Datalogger with connector for other temperature probe, with built-in 4G modem and Flat Rate SIM Card

code: U3631Gsim



IoT Wireless Datalogger kit with built-in 4G 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. 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.

4G recorder **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

**With a newly purchased IoT wireless datalogger with a built-in modem, you receive 3 months of [COMET Cloud](#) for free; a full year of operation in [COMET Cloud](#) then requires [1 credit](#).**

## Technical data

|                                            |                                                                                                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR                         |                                                                                                                   |
| Measuring range                            | -20 to +60 °C                                                                                                     |
| Accuracy                                   | ±0.4 °C                                                                                                           |
| Resolution                                 | 0.1 °C                                                                                                            |
| TEMPERATURE SENSOR - external probe Pt1000 |                                                                                                                   |
| Measuring range                            | -90 to +260 °C                                                                                                    |
| Accuracy                                   | ±0.2 °C (-50 to +100 °C); <br>±0.2 % from reading from +100 to +260 °C;<br>±0.4 % from reading from -90 to -50 °C |
| Resolution                                 | 0.1 °C                                                                                                            |
| HUMIDITY SENSOR                            |                                                                                                                   |
| Measuring range                            | 0 to 100 % RH                                                                                                     |
| Accuracy                                   | ± 1.8 % RH                                                                                                        |
| Resolution                                 | 0.1% RH                                                                                                           |
| DEW POINT                                  |                                                                                                                   |
| Measuring range                            | -90 to +60 °C                                                                                                     |
| Accuracy                                   | ±1.5 °C at ambient temperature T <25 °C and RH >30 %                                                              |
| Resolution                                 | 0.1 °C                                                                                                            |
| 4G 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 and humidity sensor, 1x 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<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 electronics; IP30 sensors                                                                                             |
| Dimensions                                   | 61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm                                                                             |
| Weight (including batteries)                 | approx. 260 g                                                                                                              |
| Warranty                                     | 3 years                                                                                                                    |