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

code: U3121Gsim




IoT Wireless Datalogger kit with built-in 4G modem and Flat Rate SIM Card allows the instant connection to the COMET Cloud.
IoT Datalogger is designed to record temperature and humidity from external sensors (not included). 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 | according to the connected probe Digi/E |
| Accuracy | according to the connected probe Digi/E |
| Resolution | 0.1 °C |
| Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s) | 8 min |
| HUMIDITY SENSOR | |
| Measuring range | according to the connected probe Digi/E |
| Accuracy | according to the connected probe Digi/E |
| Resolution | 0.1% RH |
| DEW POINT | |
| Measuring range | according to the connected probe Digi/E |
| Accuracy | according to the connected probe Digi/E |
| 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 | 1x connectable temperature+humidity 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 |
| Dimensions | 61 x 93 x 53 mm, with antenna 120 x 93 x 53 mm |
| Weight (including batteries) | approx. 260 g |
| Warranty | 3 years |