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.**

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 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 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