IoT Wireless Temperature and Relative Humidity Datalogger with connector for other temperature probe, with built-in 2G modem

code: U3631Msim



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. 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.**

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 in the range -90 °C to +100 °C ±0.2 % of the measured value in the range +100 °C to +260 °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
GSM MODEM PARAMETERS	
Quad-band	850/900/1800/1900MHz
Compliant to GSM	Phase2/2+
GPRS	GPRS mobile station class B
Class 4	2W @ 850/900MHz
Class 1	1W @ 1800/1900MHz

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 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