Wireless IoT thermometer for external probe, Sigfox

code: W0811



The instrument measures the temperature from external probe on the cable (its not included). It features a simple, compact design and is positioned directly in the measured area.

Measured values are displayed on the display and are regularly sent, in an adjustable time interval from 10 min to 24 h, by radio transmission in Sigfox to COMET Cloud. After the emergence of a new alarm (or the extinction of an alarm in progress), an extraordinary alarm message is sent at the latest within 10 minutes.

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

Radio configuration zone RC1. More information about Sigfox Radio Configurations (RC).
Get Sigfox coverage details in one step. Check the Sigfox coverage in your region.

With a newly purchased wireless sensor with Sigfox connectivity, you receive 1 year of COMET Cloud for free; an additional year of operation in COMET Cloud then requires 2 credits.

Technical data

TEMPERATURE SENSOR - external probe Pt1000	
Measuring range	-90 to +260 °C
Accuracy	±0.2 °C in the range -90 to +100 °C; ±0.2 % from reading from +100 to +260 °C
Resolution	0.1 °C
Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s)	10 minutes
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +60 °C
Channels	1x external temperature probe
Message transmission interval	adjustable 10 minutes, 20 minutes, 30 minutes,1 hour, 3 hours, 6 hours, 12 hours, 24 hours
Alarm message sending interval	10 minutes
Operating frequency	868 MHz
Maximum transmission power	25mW
Sigfox radiation class	0U
Radio configuration zone	RC1 (operation is possible in Europe, Iran, Oman and South Africa)
Typical range of transmitter	50 km in the field, 3 km in the city
Power	Lithium battery 3.6 V, AA size
Protection class	IP65
Dimensions	126 x 89 x 40mm
Weight (including batteries)	150g

Warranty	3 years