Wireless thermometer with three-channels, IoT Sigfox

code: W0832



Wireless thermometer measures temperature from the built-in internal sensor and from two external Pt1000 probes (not included).

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).
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	
Measuring range	-30 to +60 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
Response time t90 of temperature measurement (temperature step 20°C, air flow approximately 1m/s)	10 minutes
TEMPERATURE SENSOR - external probe Pt1000	
Measuring range	-200 to +260 °C
Accuracy	±0.2 °C in the range -200 to +100 °C; ±0.2 % from reading from +100 to +260 °C
Resolution	0.1 °C
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +60 °C
Channels	internal temperature sensor, 2x external probe P1000
Message transmission interval	adjustable 10 minuteses, 20 minutes, 30 minutes,1 hour, 3 hours, 6 hours, 12 hours, 24 hours
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