



W0810P Wireless Thermometer with Built in Sensor



COMET W0810P Wireless Thermometer with Built in Sensor Owner's Manual

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COMET W0810P Wireless Thermometer with Built in Sensor



Product Information

Wireless thermometer with built-in sensor, IoT Sigfox

Code: W0810P

The device measures temperature from the built-in sensor and can be installed directly into the measured space with IP65 protection. It sends measured values at adjustable intervals via radio transmission in the Sigfox network to the COMET Cloud for user access on a PC or mobile device.

The instrument can monitor up to 2 alarm limits and sends emergency messages if these limits are exceeded. The device is suitable for applications tolerating a delay of up to 10 minutes for information delivery by Sigfox.

Highlights:

- Wireless transmission of measured values and alarm states
- Battery-powered (battery life: 1 year to 10 years)
- LED indication of device status
- Remote setting from COMET Cloud (maximum once a day)
- IP65 protection
- Traceable calibration certificate in accordance with EN ISO/IEC 17025

Technical Specifications

- **Alarm Message Sending Interval:** 10 minutes
- **Operating Frequency:** 868 MHz
- **Maximum Transmission Power:** 25mW
- **Sigfox Radiation Class:** 0U

- **Radio Configuration Zone:** RC1
- **Typical Range of Transmitter:** 50 km in the field, 3 km in the city
- **Power:** Lithium battery 3.6V, C size
- **Protection Class:** IP65
- **Dimensions:** 126 x 89 x 40mm
- **Weight (including batteries):** 185g
- **Warranty:** 3 years

Product Usage Instructions

Installation

1. Ensure the device is placed securely in the measured space with IP65 protection.
2. Check the availability of the Sigfox network in your location before installation.

Data Monitoring and Access

1. Set the desired time interval for data transmission to COMET Cloud (between 10 minutes to 24 hours).
2. Monitor measured values and alarm states on your personal computer or mobile device through the COMET Cloud platform.

Alarm Settings

1. Configure up to 2 alarm limits for the measured variable on the device.
2. Ensure that you have enabled emergency message notifications for alarm limit exceedances.

Battery Replacement

1. When replacing batteries, use lithium batteries with a voltage of 3.6V and C size.
2. Follow proper disposal guidelines for old batteries.

Maintenance and Troubleshooting

1. Regularly check the device status LED for any indications.
2. For any issues or questions, refer to the user manual or contact customer support.

Frequently Asked Questions (FAQ)

- **Q: How long does the battery last?**
A: The battery life ranges from 1 year to 10 years based on usage.
- **Q: What is the warranty period for the device?**
A: The device comes with a 3-year warranty.

Product Introduction

The device measures the temperature from the built-in sensor with the possibility of installation directly into the measured space thanks to IP65 protection.

The measured values are sent in an adjustable time interval (10 min to 24 h) by radio transmission in the Sigfox network to the COMET Cloud, from which the user can view them using a personal computer or mobile device. The instrument can monitor up to 2 alarm limits of the measured variable. Exceeding these limits is indicated by sending an emergency message. COMET Cloud transmits this alarm message via e-mail to the selected user. The device is suitable for applications that tolerate the delay of information delivered by Sigfox (max. 10 min).

Highlights:

- wireless transmission of measured values and alarm states
- battery power (battery life 1 year to 10 years)
- LED indication of device status
- remote setting of the device from COMET Cloud (maximum once a day)
- IP65
- traceable calibration certificate in accordance with EN ISO / IEC 17025

The availability of Sigfox network in a particular location


[Check your Sigfox network availability](#) before you buy your device. COMET devices in the Sigfox network can be used anywhere in the RC1 zone. Learn more about [Sigfox \(RC\) Radio Zones](#).

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
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +60 °C
Channels	internal temperature sensor
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
Typical range of transmitter	50 km in the field, 3 km in the city
Power	Lithium battery 3.6 V, C size
Protection class	IP65
Dimensions	126 x 89 x 40mm
Weight (including batteries)	185g
Warranty	3 years

Documents / Resources

 <p>COMET W0810P Wireless Thermometer with Built in Sensor, W0810P, Wireless Thermometer with Built in Sensor, Thermometer with Built in Sensor, with Built in Sensor, Built in Sensor, in Sensor, Sensor</p>	<p>COMET W0810P Wireless Thermometer with Built in Sensor [pdf] Owner's Manual</p> <p>W0810P Wireless Thermometer with Built in Sensor, W0810P, Wireless Thermometer with Built in Sensor, Thermometer with Built in Sensor, with Built in Sensor, Built in Sensor, in Sensor, Sensor</p>
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References

-  [TCPDF](#)
-  [Radio Configurations | Sigfox build](#)
-  [Wavebit Coverage Check](#)
- [User Manual](#)

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