



INDUSTRIAL LORAWAN TEMPERATURE SENSOR

Single, Dual, or Triple-Probe Wireless Temperature Monitoring



KEY FEATURES

- ◆ **Multi-Probe Configurations:** Available with 1, 2, or 3 temperature probes for single or multi-point monitoring
- ◆ **Industrial-Grade Probes:** Designed for reliable measurements in harsh and demanding environments
- ◆ **Industrial Durability:** IP67-rated enclosure with wide operating temperature range (-40 °C to +85 °C).
- ◆ **Long Battery Life:** Powered by 8500 mAh Li-SOCl₂ battery or optional solar + 3000 mAh Li-ion rechargeable version.

DEVICE OVERVIEW

The IoX-Connect LoRaWAN® Industrial Temperature Sensor is a rugged, battery-powered end node designed for **accurate temperature monitoring in harsh industrial environments**. Available in **single-, dual-, or triple-probe configurations**, it enables flexible multi-point temperature measurement from a single device.

Using ultra-low-power LoRaWAN communication, the sensor transmits real-time and periodic temperature data to the IoX-Connect platform, where users can visualize trends, configure alerts, and generate reports. The industrial enclosure, wide temperature range, and long battery life make it ideal for remote and demanding deployments.

Best For: Industrial process monitoring, equipment temperature tracking, cold rooms, freezers, pipelines, and multi-point temperature measurement applications.

TECHNICAL FEATURES

- **LoRaWAN Version:** v1.0.3, Class A
- **Probe Options:** Single, Dual, or Triple Probe
- **Temperature Range:** -55 °C to +125 °C (probe dependent)
- **Accuracy:** ±0.5 °C (typical) | **Resolution:** 0.01 °C
- **Power Supply:** 8500 mAh Li-SOCl₂ (non-rechargeable) or Solar + 3000 mAh Li-ion (optional)
- **Configuration:** Remotely via IoX-Connect platform (downlink)
- **Operating Temperature:** -40 °C to +85 °C
- **Enclosure:** IP67 industrial waterproof housing
- **Frequency Bands:** EU433 / US915 / EU868 / AS923 / AU915 / IN865
- **Dimensions / Weight:** 195 x 125 x 55 mm | 420 g



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