



COMMERCIAL TEMPERATURE & HUMIDITY SENSOR

LORAWAN® INDOOR ENVIRONMENTAL MONITORING SENSOR

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KEY FEATURES

- ◆ Built-In Temperature & Humidity Monitoring for indoor environments
- ◆ Optional External Probe Support via USB Type-C connector
- ◆ Long-Range LoRaWAN® Connectivity with low power consumption
- ◆ Temperature Alarm Function with accelerated uplinks when thresholds are exceeded



DEVICE OVERVIEW

The ioX-Connect LoRaWAN® Commercial Temperature & Humidity Sensor is a compact, long-range wireless device designed to monitor **indoor environmental conditions** with high accuracy and low power consumption. It features a built-in temperature and humidity sensor and includes a USB Type-C connector for optional external probes, such as an external temperature sensor.

Measured values are transmitted securely via LoRaWAN through ioX-Connect gateways to the ioX-Connect platform, where users can view real-time readings, trends, and alerts. The sensor supports **multi-year operation using standard AAA batteries** and includes onboard data logging to ensure no readings are lost during network interruptions.

Best For: Offices, schools, retail spaces, healthcare facilities, storage areas, and commercial buildings requiring reliable indoor temperature and humidity monitoring.

TECHNICAL FEATURES

- **LoRaWAN Version:** v1.0.3, Class A
- **Frequency Bands:** CN470, EU433, KR920, US915, EU868, AS923, AU915
- **Configuration:** Remote via LoRaWAN downlink through ioX-Connect Platform
- **Data Logging:** Records data for every uplink | **Alarm Function:** Temperature threshold alarms
- **Enclosure:** Indoor Use Rating: IP52 | **Mounting:** Wall-mountable | **Operating Range:** -20 °C to +50 °C
- **Temperature Sensor:** Resolution 0.01 °C | Accuracy ±0.3 °C (typ.) | Long-Term Drift < 0.02 °C/year
- **Humidity Sensor:** Resolution 0.1 %RH | Accuracy: ±3 %RH (typ.) | Long-Term Drift: < 0.25 %RH/year
- **Power Supply:** Battery Type: 2 × AAA (LR03), user-replaceable | Multi-year (uplink & alarm dependent)
- **Device Dimensions:** 58 × 58 × 20 mm | 53g

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