

LORAWAN HIGH/LOW TEMPERATURE TRANSMITTER

INDUSTRIAL LORAWAN TEMPERATURE SENSOR



KEY FEATURES

- ◆ **Single or Dual Channel Monitoring:** Single Probe – 1 channel | Dual Probe – 2 channels for independent measurement and reporting.
- ◆ **Instant Data Sampling:** Manual push-button allows on-demand data capture and uplink to the IoX-Connect platform.
- ◆ **Datalog & Threshold Alarms:** Records readings internally and sends alerts when temperature thresholds are exceeded.
- ◆ **Ultra-Low Power Design:** Long-term operation using an 8500 mAh Li-SOCl₂ battery; ideal for multi-year deployments.

DEVICE OVERVIEW

The IoX-Connect LoRaWAN High/Low Temperature Transmitter (HLTS) is an industrial wireless temperature sensor available in single or dual probe models. It supports a wide range of probe types for monitoring both high and low temperature environments. The single-probe model monitors one channel, while the dual-probe version supports two independent channels for differential or multi-point readings.

The HLTS features onboard data logging, BLE configuration, and wireless OTA firmware updates. Users can trigger an immediate sample via the built-in button, and all data is securely transmitted to the IoX-Connect platform through any IoX LoRaWAN Gateway. Powered by an 8500 mAh Li-SOCl₂ battery, it is designed for long-term, maintenance-free operation.

Best For: Industrial temperature monitoring, cold chains, process systems, and HVAC applications.

TECHNICAL FEATURES

- **LoRaWAN® Version:** v1.0.3, Class A
- **Measurement Channels:** Single or Dual temperature channels
- **Dimensions:** Size: 127.8 mm (L) x 55.6 mm (W) x 47 mm (H) - Weight: 148 g
- **Battery Type:** 8500mAh replaceable Li-SOCl₂ battery
- **Downlink Configuration:** Remotely configurable via IoX-Connect platform
- **Temperature Range:** Dependent on probe type (various high/low temperature probes available)
- **Data Logging:** Supports offline data logging functionality
- **Frequency Range:** 862 ~ 1020 MHz | **RF Output:** Max +22 dBm | **RX Sensitivity:** Down to -139 dBm
- **Supported Frequency Bands:** EU868 (Europe, Middle East), US915 (USA/Australia), AS923 (Australia/New Zealand, ASIA), IN865 (India).



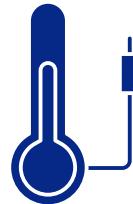
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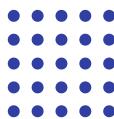
HLTS TEMPERATURE SENSOR PROBES

INDUSTRIAL TEMPERATURE PROBES (SOLD SEPARATELY)



HLTS-FSA -- Food Safety Type:

- **Probe Dimension:** $\phi 4*150\text{mm}$
- **Measure Range:** $-40 \sim 260 \text{ }^{\circ}\text{C}$
- **Cable Length:** 2 meters/6.5 ft



HLTS-FT -- Flat Type:

- **Probe Dimension:** $3.6*7.5*20\text{mm}$
- **Measure Range:** $-60 \sim 200 \text{ }^{\circ}\text{C}$
- **Cable Length:** 2 meters/6.5 ft



HLTS-HT -- High Temperature:

- **Probe Dimension:** $\phi 4.5*30\text{mm}$
- **Measure Range:** $-60 \sim 450 \text{ }^{\circ}\text{C}$
- **Cable Length:** 3 meters/10 ft



HLTS-LT -- Low Temperature:

- **Probe Dimension:** $\phi 5*30\text{mm}$
- **Measure Range:** $-196 \sim 150 \text{ }^{\circ}\text{C}$
- **Cable Length:** 2 meters/6.5 ft



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