**RADIO BRIDGE**

LoRaWAN™

# WIRELESS THERMOCOUPLE TEMP SENSOR

## Outdoor/Industrial Version



**The wireless thermocouple temperature sensor measures temperature using an external K-type thermocouple. Other thermocouples may be used and can be configured via downlink messages.**

Temperature reporting can be based on thresholds, report-on-change, and periodic messaging .

Compatible with third-party LoRaWAN compliant gateways and network servers.

### APPLICATIONS

- Gas turbine exhaust
- Diesel engines
- Industrial processes
- Flame sensor
- Petroleum refineries
- Appliance heating
- Food processing and production
- Temperature profiling of furnaces

### FEATURES

- Built-in radio that talks directly with the LoRaWAN wireless network
- Two types of tamper detection: enclosure tamper and wall mount tamper
    - Enclosure tamper
    - Wall mount tamper detects (indoor version)
- 200,000+ transmissions on a single battery and a 5-10 year battery life depending on usage
- User replaceable battery
- Fully integrated internal antenna
- Over the air sensor configuration in the field
- Automatic low battery reporting and supervisory (sensor health) reporting

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