

# Therma<sup>o</sup> Industrial Product Specifications

## In the Box

**Wireless Sensor**

Zip ties

**4G Cellular Hub**

Power supply

**Quick Start Guide**

## Features

**+/- 0.3°C (0.5°F) temperature accuracy**

**+/- 3% humidity accuracy (10% - 90% RH)**

**Available with an external temperature probe**

## Sensor

### Thermistor Specifications

Accuracy at 25°C	+/- 0.3°C (0.5°F)
Resolution	0.01°C
Time Constant at 25°C	15 sec max
Sensor Weight	2.5 oz. (without probe)
Sensor Dimensions	.29 in x 1.77 in x .66 in
Operating Temperature Range	-55°C to +125°C (-67°F to +257°F)

### Humidity Specifications

Accuracy	± 3% under normal conditions (10% - 90% RH)
Resolution	0.04% RH
RH Operating Range	0-100% RH
RH Response Time	8 sec (tau 63%)

### Battery Specifications

Battery Type	2400 mAh Non-Chargeable Battery
Supply Voltage	3V
Battery Life	Included battery will typically last 10+ years
Optimal Battery Operating Temperature	-40°C to +85°C (-40°F to +185°F)

# Therma° Industrial Product Specifications

## Sensor

### 900 MHz Specifications

Operating Frequency	900 MHz (United States, configurable for other countries)
Certifications	Complies with Part 15 of the FCC Rules (FCC ID: ZHZLHT65)
Device Range	Up to 1,200 feet non-line-of-sight
Security	AES-128 CBC with Diffie-Hellman Key Exchange

## 4G Cellular Hub

### Cellular 4G Hub Specifications

Cellular Technology	4G LTE
SIM Card	AT&T
SIM Card Compatibility	Micro-SIM (3FF) 15 mm x 12 mm x 0.76 mm
Device Memory	50,000 sensor messages Sensor messages will be stored in the event of Internet outage and transferred when a connection is restored.

### Commercial Hub Specifications

Hub Weight	5.29 oz
Hub Dimensions	4.72 in x 3.34 in x 1.18 in
LED Lights	Internet Connectivity Status, Power Status, Sensor Network Status
Operating Temperature	+5 to +45°C (41 to 113°F)

### 900 MHz Specifications

Operating Frequency	900 MHz (United States, configurable for other countries)
Certifications	Complies with Part 15 of the FCC Rules (FCC ID: ZHZHE)
Device Range	Up to 1,200 ft. non-line-of-sight
Security	AES-128 CBC with Diffie-Hellman Key Exchange