

Therma° Product Specifications

In the Box

Wireless Sensor

3 x AAA Batteries

4G Cellular Hub

Power supply

Quick Start Guide

Features

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

+/- 2% humidity accuracy (10% - 90% RH)

Sensor

Thermistor Specifications

Accuracy at 25°C

+/- 0.3°C (0.5°F)

Time Constant at 25°C

3 sec

Sensor Weight

6.25 oz.

Sensor Dimensions

4.4 in x 2.6 in x 1 in

Operating Temperature Range

-40°C to +125°C (-40°F to +257°F)

Humidity Specifications

Accuracy

± 2% under normal conditions (10% - 90% RH)

RH Operating Range

0-100% RH

RH Response Time

8 sec (tau 63%)

AAA Specifications

Battery Type

3 Replaceable AAA 1.5 V Batteries

Supply Voltage

3.3-5.4 V (3 x AAA 1.5V Batteries)

Battery Life

Included AAA batteries will typically last 2-3 years

Max Operating Temperature (AAA Alkaline)

-18°C to 55°C (0°F to 130°F)

Max Operating Temperature (AAA Lithium)

-40°C to 60°C (-40°F to 140°F)

Optimal Battery Operating Temperature

+10°C to +50°C (+50°F to +122°F)

Therma° 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
Device Range	Up to 1,500 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
Battery Type	Rechargeable 3.7V Lithium Ion
Battery Cycle Life	500 times
Backup Battery Duration	Up to 4 hours
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	10.7 oz
Hub Dimensions	5.8 in x 3.8 in x 1.3 in
LED Lights	Internet Connectivity Status, Power Status, Sensor Network Status
Storage Temperature	-20°C to +60°C (-4°F to 140°F)
Operating Temperature	+5°C to +45°C (41°F 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
Device Range	Up to 1,500 ft. non-line-of-sight
Security	AES-128 CBC with Diffie-Hellman Key Exchange