

Therma° Product Specifications

In the Box

Wireless Sensor

Zip ties
2 x AA Batteries

4G Cellular Hub

Activated AT&T SIM card
Power supply

Quick Start Guide

Features

+/- 1°C (1.8°F) accuracy
+/- 3% accuracy (between 10% - 90% RH)
Available with an external temperature probe

Sensor

Thermistor Specifications

Accuracy at 25°C	+/- 1% (1° C or 1.8° F)
User Calibrated Accuracy	+/- 0.25° C (± 0.45° F)
Time Constant at 25°C	15 sec max
Weight	3.7 oz. (without probe)
Probe Operating Temperature Range	-40°C to +125°C (-40°F to +257°F)

Humidity Specifications

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

AA Specifications

Battery Type	2 Replaceable AA 1.5 V Batteries
Dimensions	4.375 in x 2.470 in x 1.12 in
Supply Voltage	2.0 - 3.8 V (2 x AA 1.5V Batteries)
Battery Life	Included AA batteries will typically last 8-10 years
Max Operating Temperature (AA Alkaline)	-18°C to 55°C (0°F to 130°F)
Max Operating Temperature (AA 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)
Enclosure Material	ABS

Therma° Product Specifications

Sensor

900 MHz Specifications

Operating Frequency	900 MHz
Certifications	Complies with Part 15 of the FCC Rules (FCC ID: ZTL-G2SC1) Complies with Industry Canada standards (IC: 9794A-G2SC1)
Device Range	Up to 1,200 feet non-line-of-sight
Security	Encrypt-RF® (Diffie-Hellman Key Exchange + AES-128 CBC)

4G Cellular Hub

Cellular 4G Hub Specifications

Cellular Technology	LTE CAT-M1
SIM Card	AT&T
SIM Card Compatibility	Micro-SIM (3FF) 15 mm x 12 mm x 0.76 mm
Battery Type	Rechargeable Lithium Polymer
Battery Cycle Life	500 times
Battery Life	Up to 24 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

Dimensions	5.004 x 3.8 x 1.51 in.
Enclosure Material	ABS
LED Lights	Internet Connectivity Status, Server Status, Sensor Network Status
Storage Temperature	-20 to +60°C (-4 to 140°F)
Operating Temperature	+5 to +45°C (41 to 113°F)

900 MHz Specifications

Operating Frequency	900 MHz
Certifications	Complies with Part 15 of the FCC Rules (FCC ID: ZTL-G2SC1) Complies with Industry Canada standards (IC: 9794A-G2SC1)
Device Range	Up to 1,200 ft. non-line-of-sight
Security	Encrypt-RF® (Diffie-Hellman Key Exchange + AES-128 CBC)