



HT1 Temperature and Humidity Smart Sensor

[Users Guide \(pdf\)](#)

Time to change the battery?

Batteries last one to two years. Here is some info on [how to change batteries and recommendations for reliable battery vendors](#) from Support section of this site.

Specifications

Dimensions	40mm x 40mm x 16.5mm / 1.57" x 1.57" x 0.65"
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Weight	40g / 1.4oz
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Battery	CR2477 (info for changing and buying replacement batteries)
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Battery Life	Typically over 1 year (more in normal conditions, less in extreme cold)
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Compatibility	iOS 11+, Android 5.01+. Requires Bluetooth 4.0+ (also known as Bluetooth LE). iPhones since the iPhone 4s, iPads since the 3rd generation and the 5th generation iPad Touch support this technology. There are too many Android devices to list them all here, but you can look in the specifications for your device for Bluetooth 4.0 or Bluetooth LE. Please contact SensorPush support if you are unsure about your specific device.
Temperature Range	-40°C to 60°C (-40°F to 140°F)
Humidity Range	0 - 100% (prolonged exposure to > 80% RH may create an offset of up to +3% in the readings. This effect gradually reverses after return to < 80% RH conditions)
Temperature Accuracy (0°C - 60°C / 32°F - 140°F)	±0.3°C / ±0.5°F typical ±0.5°C / ±0.9°F maximum
Temperature Accuracy (Full Range)	±0.7°C / ±1.3°F typical 1.2°C / ±2.2°F max

Humidity Accuracy (@ 25°C / 77°F, from 20% - 80% RH)	±3% typical ±4.5% maximum
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Humidity Accuracy (@ 25°C / 77°F, from 0% - 100% RH)	±4.5% typical ±7.5% maximum
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Accuracy Notes	95% of sensors fall within the "typical" range. Sensors outside the "maximum" range are not qualified for sale. Please note that above values are maximal tolerances (not including hysteresis) against a high precision reference such as a dew point mirror. Common deviations are within ±2%RH where specified tolerance is ±3%RH and about half the specified tolerance at other values.
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