



files thru the air WA-PRO-THP Temperature and Humidity Limit Alert Sensor User Manual

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**WA-PRO-THP Temperature and Humidity Limit Alert Sensor
User Manual**



- Ambient temperature limit alert sensor from the FilesThruTheAir Wireless Alert PRO range
- Configurable high and low-temperature limits
- Monitor ambient temperature in occupied spaces, storage areas and many other applications
- Wi-Fi-connected
- Get notified and view the latest status of your device using the FilesThruTheAir app
- Receive email alerts and scheduled status reports
- Flashing alert indicator



FilesThruTheAir’s WA-PRO-T provides alert notifications when high and low-temperature limits, set between -20 to +60 °C (-4 to +140 °F), are breached. Power this device via its USB-C socket and set it up using the free FilesThruTheAir app. Configuration options include connection to a Wi-Fi network, temperature limit selection, and notification options. Notifications can be pushed directly to your smartphone or sent by email. Emailed scheduled summary reports detailing minimum, maximum and average temperature, power status, number of alerts, and total time spent in alerts are also available. A quick look at the FilesThruTheAir app dashboard will show the alert status and last reported reading of any devices connected to your account.

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Specification

WA-PRO-T	Minimum Typical Maximum			Unit
Measurement Range	-20 to +60°C (-4 to +140°F)			°C (T)
Measurement Resolution	0.1 (0.1)			°C (°F)
Measurement Accuracy			±0.5 (-20 to +60) (±1 (-4 to +140))	°C (range) (°F (range))
Device Operating Temperature	-20 to +60°C (-4 to +140°F)			°C (°F)
Alert Levels	User-configurable, within the measurement range stated above			
Response Time	1 minute			
Power Supply	USB-C 5V 1.0A			
Wi-Fi	WPA2/WPA3 Personal, WPA2 Enterprise (MSCHAP/PEAP,TTLS) – 802.11 bgn (2.4GHz)			
Product Dimensions	L 61 (2.4) x W 29 (1.14) x D 13 (0.5)			mm (inches)
Probe Length	The probe extends 13.5 (0.53) beyond the device body			mm (inches)

What’s in the Box

Part Number	Description
WA-PRO-T	Temperature Limit Alert Sensor
WA-PRO-BRACKET	Mounting Bracket and Fixing Screws
WA-PRO-QSG	Quickstart guide
USB-C-2M-WHT	USB-C Cable 2m

Accessories Available

Part Number	Description
EL-MOTE-P-T	Replacement Temperature sensor
PSU-5VDC-USB-INTL-WHT	Power Supply
WA-PRO-UPS 1	UPS / Backup Battery
WA-PRO-T CAL	Calibration Certificate

Wireless Alert PRO Range

Part Number	Description
WA-PRO-T	Wi-Fi-Connected Ambient Temperature Limit Alert (-20 °C to +60 °C)
WA-PRO-T+	Wi-Fi-Connected High-Accuracy Ambient Temperature Limit Alert (-20 °C to +60 °C)
WA-PRO-THP	Wi-Fi-Connected Temperature and Humidity Limit Alert (-30 °C to +80 °C, 0 %RH to 100 %RH)
WA-PRO-THP+	Wi-Fi-Connected High-Accuracy Temperature and Humidity Limit Alert (-30 °C to +80 °C, 0 %RH to 100 %RH)
WA-PRO-TP	Wi-Fi-Connected Temperature Limit Alert (-40 °C to +125 °C)
WA-PRO-TP+	Wi-Fi-Connected High-Accuracy Temperature Limit Alert (-40 °C to +125 °C)
WA-PRO-TC	Wi-Fi-Connected Thermocouple Temperature Limit Alert (0 °C to 200 °C with supplied K Type Thermocouple)
WA-PRO-VAC	Wi-Fi-Connected Vaccine Temperature Limit Alert (-40 °C to +125 °C)
WA-PRO-ULT 1	Wi-Fi-Connected Ultra-Low Temperature Limit Alert (-100 °C to +100 °C with supplied T Type Thermocouple)
WA-PRO-ULT+ 1	Wi-Fi-Connected High-Accuracy Ultra-Low Temperature Limit Alert (-100 °C to +100 °C with supplied T Type Thermocouple)
WA-PRO-420 1	Wi-Fi-Connected 4-20mA Limit Alert (4 mA to 20 mA)

1) Coming soon.

Specifications are liable to change without prior warning.

Other Wi-Fi-connected products from FilesThruTheAir™

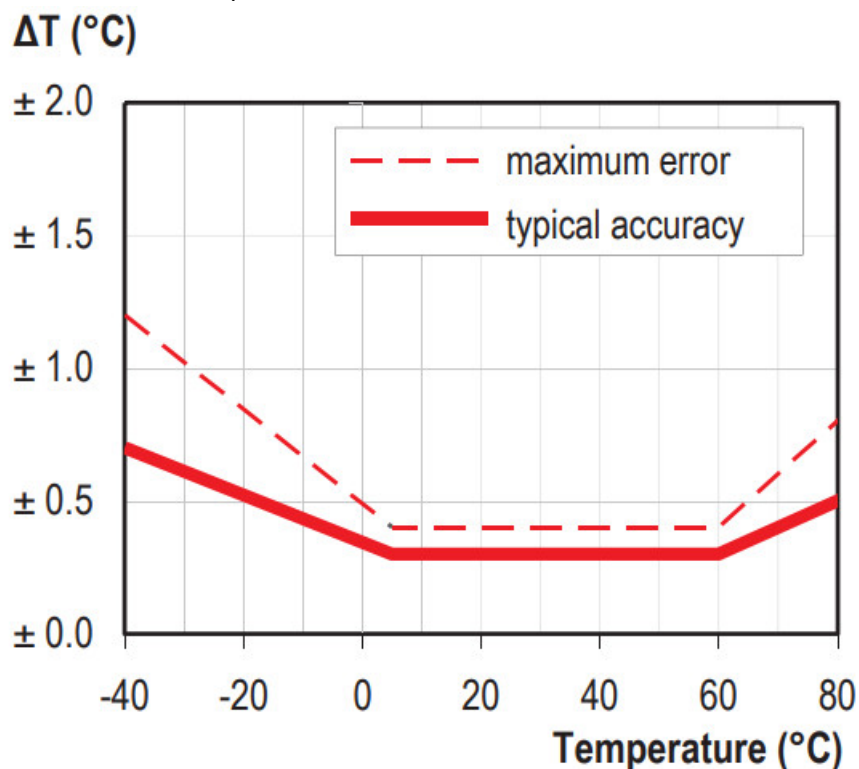
FilesThruTheAir offers a variety of sensors and data loggers.

Visit www.filesthrutheair.com to find out if we have something to fit your application.

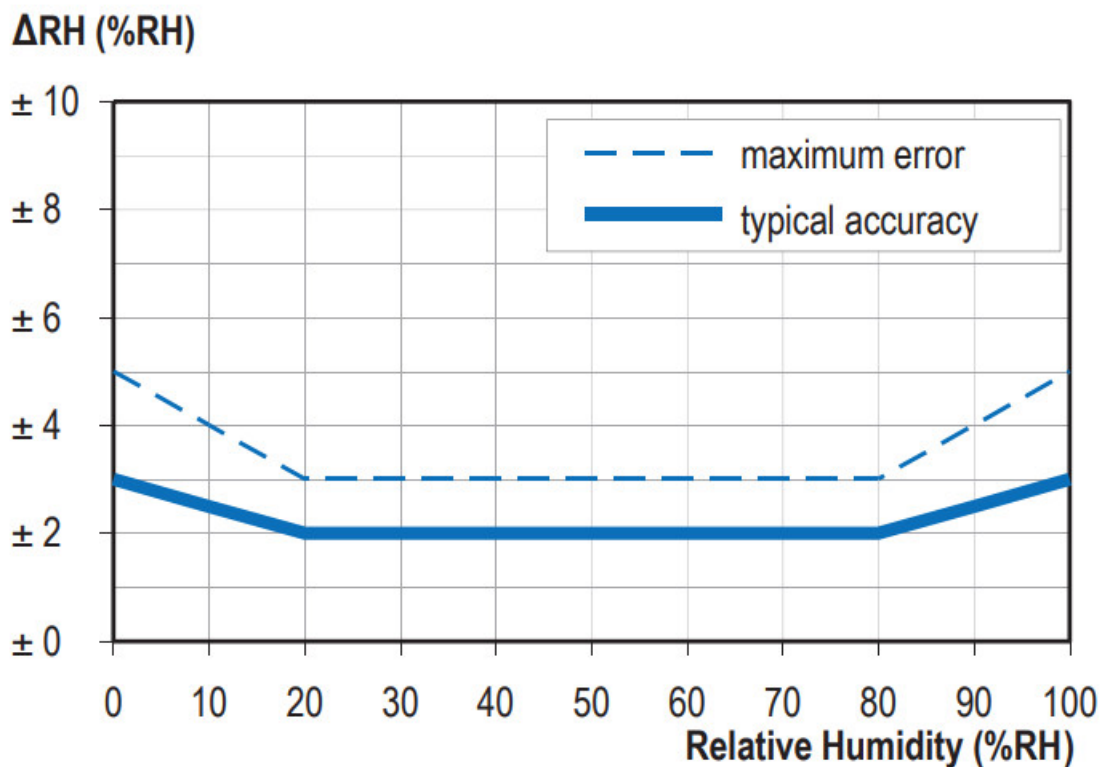
SENSOR ACCURACY & INFORMATION

The sensor in this device is protected in storage and transit by a peelable protective film, this will need to be removed before the device is used.

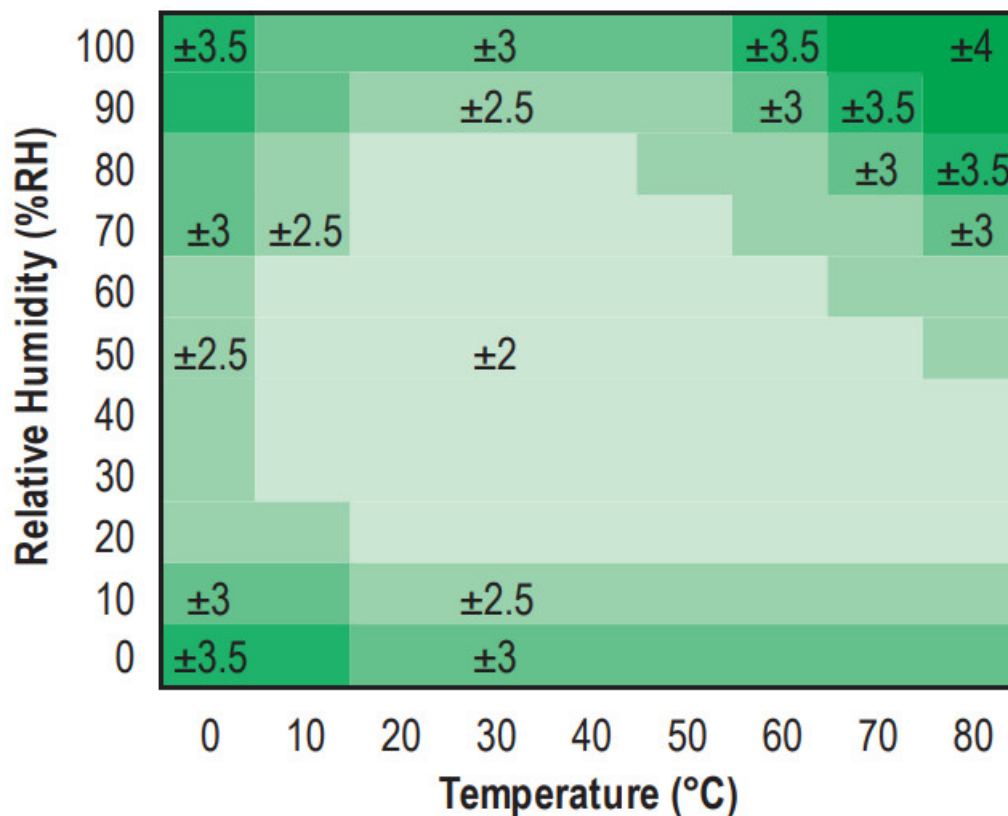
Typical and maximal tolerance for a temperature sensor in °C.



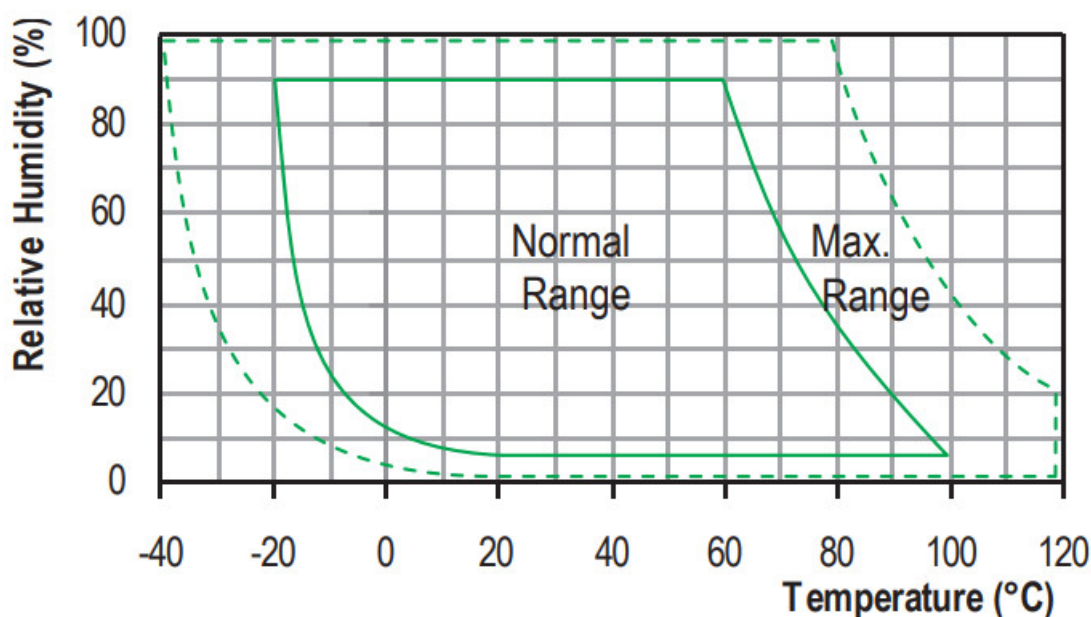
Typical and maximal tolerance at 25°C for relative humidity.



Typical accuracy of relative humidity measurements given in RH for temperatures 0 to 80°C.



Operating conditions



When tracking changes in ambient conditions, the response time of the humidity sensor in your Wireless Alert PRO is approximately 20 minutes to reach 90% of the reading. However, if you are measuring step changes in humidity (for example if calibrating the product) it is advised that you leave the unit for up to four hours to ensure that it has enough time to settle at the new level.

It is worth remembering that the value of relative humidity is of course sensitive to temperature variation. As an example, at a relative humidity of ~90%RH at ambient temperature, a variation in temperature of 1°C will result in a change of up to -5%RH. Therefore when comparing multiple devices or calibrating them, any temperature variations must be considered.




www.filesthrutheair.com/wireless-alert-pro

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Documents / Resources

	<p>files thru the air WA-PRO-THP Temperature and Humidity Limit Alert Sensor [pdf] User Manual</p> <p>WA-PRO-THP Temperature and Humidity Limit Alert Sensor, WA-PRO-THP, Temperature and Humidity Limit Alert Sensor</p>
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References

- [Wireless Sensors & Data Loggers | Shop Now](#)
- [Wireless Alert PRO - Professional remote sensing for a variety of applications](#)

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