

# Wireless Alert **PRO** TC



## Thermocouple Temperature Limit Alert Sensor

-200 °C to +1300 °C Temperature Range

(0 °C to 200 °C with the supplied K-Type probe)



- Thermocouple temperature limit alert sensor from the FilesThruTheAir Wireless Alert PRO range
- Configurable high and low temperature limits
- Monitor ultra-low temperature storage, boiler operation 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



Download the  
FilesThruTheAir  
app for free



FilesThruTheAir's WA-PRO-TC provides alert notifications when user-selected high and low temperature limits 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 direct 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 alert 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.

## Specification

| Wireless Alert PRO TC               | Minimum                                                                         | Typical                              | Maximum | Unit                       |
|-------------------------------------|---------------------------------------------------------------------------------|--------------------------------------|---------|----------------------------|
| Measurement Range K Type (included) | 0 to +200°C (+32 to +392°F)                                                     |                                      |         | °C (°F)                    |
| Measurement Range K Type            | -200 to +1300°C (-328 to +2372°F)                                               |                                      |         | °C (°F)                    |
| Measurement Range J Type            | -200 to +1190°C (-328 to +2174°F)                                               |                                      |         | °C (°F)                    |
| Measurement Range T Type            | -200 to +390°C (-328 to +734°F)                                                 |                                      |         | °C (°F)                    |
| Measurement Resolution              | 0.1 (0.1)                                                                       |                                      |         | °C (°F)                    |
| Measurement Accuracy <sup>1</sup>   |                                                                                 | ±1 (0 to +200)<br>(±2 (+32 to +392)) |         | °C (range)<br>(°F (range)) |
| Device Operating Temperature        | -20 to +60°C (-4 to +140°F)                                                     |                                      |         | °C (°F)                    |
| Alert Levels                        | User-configurable, within 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)<br>- 802.11bgn (2.4GHz) |                                      |         |                            |
| Product Dimensions                  | L 61 (2.4) x W 29 (1.14) x D 13 (0.5)                                           |                                      |         | mm (inches)                |
| Probe Length                        | 100 (3.9)                                                                       |                                      |         | mm (inches)                |
| Cable Length                        | 1500 (59)                                                                       |                                      |         | mm (inches)                |

## What's in the Box

| Part Number    | Description                        |
|----------------|------------------------------------|
| WA-PRO-TC      | Thermocouple 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-SP-TC                | Replacement Thermocouple Probe |
| PSU-5VDC-USB-INTL-WHT   | Power Supply                   |
| WA-PRO-UPS <sup>2</sup> | UPS / Backup Battery           |
| WA-PRO-TC 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 <sup>2</sup>  | Wi-Fi-Connected Ultra-Low Temperature Limit Alert (-100 °C to +100 °C with supplied T Type Thermocouple)               |
| WA-PRO-ULT+ <sup>2</sup> | Wi-Fi-Connected High-Accuracy Ultra-Low Temperature Limit Alert (-100 °C to +100 °C with supplied T Type Thermocouple) |
| WA-PRO-420 <sup>2</sup>  | Wi-Fi-Connected 4-20mA Limit Alert (4 mA to 20 mA)                                                                     |

1) Thermocouple accuracy not included. Note: Thermocouple probe tips must be kept electrically isolated. If metal sheathed probes are used, check that the sheath is isolated from the probe junction. If it is not or you are using an unsheathed probe, ensure that the probe tip is insulated.

2) Coming soon.

Specifications liable to change without prior warning.

### Other Wi-Fi connected products from FilesThruTheAir™

FilesThruTheAir offer a variety of sensors and data loggers.

