

## HDT-WiFi-TP / HDT-WiFi-TP-PLUS WiFi Temperature Probe Data Logging Sensor Standard and High Accuracy Models

The HDT-WiFi-TP and HDT-WiFi-TP-PLUS sensors measure the temperature of the environment in which the probe is situated.

The **HDT-WiFi-TP** is typically accurate to  $\pm 0.75^{\circ}\text{C}$  ( $-15^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ ) and is supplied with a removable 1m thermistor probe. The **HDT-WiFi-TP-PLUS** is typically accurate to  $\pm 0.2^{\circ}\text{C}$  ( $-15^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ ) and is supplied with a removable 3m thermistor probe.

Both sensors have a protection rating of IP43 and IP67 for the probes.

- Temperature measurement range  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+257^{\circ}\text{F}$ )
- Accuracy to  $\pm 0.75^{\circ}\text{C}$  (**HDT-WiFi-TP**),  $\pm 0.2^{\circ}\text{C}$  (**HDT-WiFi-TP-PLUS**)
- Supplied with wall bracket, USB cable and removable thermistor probe
- IP43 sensor protection rating; IP67 probe protection rating



Technical Details	
<b>Battery Life <sup>2</sup></b>	> 6 months typical under ideal conditions
<b>USB Supply Voltage</b>	4.5V D.C. (min), 5V D.C. (typical), 5.5V D.C. (max)
<b>Operating Temperature Range</b>	$-20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-4^{\circ}\text{F}$ to $+140^{\circ}\text{F}$ )
<b>Logging Period (user configurable)</b>	Every 10 seconds (min), 10 minutes (typical), 12 hours (max)
<b>Transmission Period (user configurable)</b>	1 minute (min), 1 hour (typical), 24 hours (max)
<b>Temperature Measurement Range</b>	$-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ to $+257^{\circ}\text{F}$ )
<b>Temperature Measurement/Display Resolution</b>	<b>HDT-WiFi-TP:</b> $0.1^{\circ}\text{C}$ ( $0.2^{\circ}\text{F}$ ) / $0.1^{\circ}\text{C}$ , <b>HDT-WiFi-TP-PLUS:</b> $0.01^{\circ}\text{C}$ ( $0.01^{\circ}\text{F}$ ) / $0.1^{\circ}\text{C}$
<b>Temperature Accuracy</b>	<b>HDT-WiFi-TP:</b> $\pm 0.75^{\circ}\text{C}$ ( $-15^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ ) typical, $\pm 1.5^{\circ}\text{C}$ ( $-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$ ) max <b>HDT-WiFi-TP-PLUS:</b> $\pm 0.2^{\circ}\text{C}$ ( $-15^{\circ}\text{C}$ to $+80^{\circ}\text{C}$ ) typical, $\pm 0.6^{\circ}\text{C}$ ( $-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$ ) max
<b>Dimensions (excluding bracket)</b>	82mm (H) x 70mm (W) x 22mm (D)

order code	Lascar code	EL-WiFi-TP	EL-WiFi-TP+
	Thermosense code	HDT-WiFi-TP	HDT-WiFi-TP-PLUS

## HDT-TP-GLY Glycol Temperature Probe

High accuracy temperature probe, commonly used with vaccination and drug storage refrigerators/cabinets as it can mimic a product's temperature response.

**For use with the HDT-WiFi-TP-PLUS only.**

- $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$ ) measurement range
- Accuracy of  $\pm 0.1^{\circ}\text{C}$  ( $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ ),  $\pm 0.3^{\circ}\text{C}$  ( $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ )
- 40 minute T90 response (based on response to a step temperature change of  $-10$  to  $+21^{\circ}\text{C}$ )
- Glycol filled bottle with thermistor probe on 3m cable



order code	Lascar code	EL-PROBEA-3.0M-TP-GLY
	Thermosense code	HDT-TP-GLY

## HDT-WiFi-TC / DTC WiFi Thermocouple Temperature Data Logging Sensor Single and Dual Channel Models

Available as single channel (**HDT-WiFi-TC**) or dual channel (**HDT-WiFi-DTC**), these WiFi sensors measure the temperature of the environment in which the probe(s) are situated and are typically accurate to  $\pm 1.5^{\circ}\text{C}$ .

The sensors support Thermocouple Type K, J and T probes which are connected using miniature thermocouple connectors.

The single channel sensor has a protection rating of IP44 and the dual channel sensor has a protection rating of IP43.

- Temperature range  $-200^{\circ}\text{C}$  to  $+1350^{\circ}\text{C}$  ( $-328^{\circ}\text{F}$  to  $+2462^{\circ}\text{F}$ ) (probe dependent)
- Accepts Thermocouple Type K, J, T probes
- Supplied with wall bracket, USB cable and 1 x 1.5m Type K probe (**HDT-WiFi-TC**), 2 x 1.5m Type K probes (**HDT-WiFi-DTC**)



Technical Details	
<b>Battery Life <sup>2</sup></b>	> 6 months typical under ideal conditions
<b>USB Supply Voltage</b>	4.5V D.C. (min), 5.5V D.C. (max)
<b>Operating Temperature Range</b>	$-20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-4^{\circ}\text{F}$ to $+140^{\circ}\text{F}$ )
<b>Logging Period (user configurable)</b>	Every 10 seconds (min), 10 minutes (typical), 12 hours (max)
<b>Transmission Period (user configurable)</b>	1 minute (min), 1 hour (typical), 24 hours (max)
<b>Temperature Measurement Range</b>	$-270^{\circ}\text{C}$ to $+1300^{\circ}\text{C}$ ( $-454^{\circ}\text{F}$ to $+2372^{\circ}\text{F}$ )
<b>Temperature Measurement/Display Resolution</b>	$0.1^{\circ}\text{C}$ ( $0.2^{\circ}\text{F}$ ) / $0.1^{\circ}\text{C}$
<b>Temperature Accuracy</b>	$\pm 1.5^{\circ}\text{C}$ ( $\pm 3^{\circ}\text{F}$ )
<b>Dimensions (excluding bracket)</b>	<b>HDT-WiFi-TC:</b> 82mm (H) x 70mm (W) x 22mm (D) <b>HDT-WiFi-DTC:</b> 82mm (H) x 70mm (W) x 32mm (D)

order code	Lascar code	EL-WiFi-TC	EL-WiFi-DTC
	Thermosense code	HDT-WiFi-TC	HDT-WiFi-DTC

<sup>1</sup> EasyLog WiFi software is downloadable for free via a supplied website link. Please visit our website for latest software compatibility information.  
<sup>2</sup> Battery life is dependent on a variety of factors such as transmission period, WiFi encryption method, sampling rate, operating temperature etc.