

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

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

The **HDT-WiFi-TP** is typically accurate to $\pm 0.6^{\circ}\text{C}$ (-10°C to $+70^{\circ}\text{C}$) and is supplied with a removable 1m thermister probe. The **HDT-WiFi-TP+** is typically accurate to $\pm 0.1^{\circ}\text{C}$ (-10°C to $+70^{\circ}\text{C}$) and is supplied with a removable 30cm thermister probe. Both sensors have a protection rating of IP55.

- Temperature measurement range -40°C to $+125^{\circ}\text{C}$ (-40°F to $+257^{\circ}\text{F}$)
- Accuracy to $\pm 0.6^{\circ}\text{C}$ (**HDT-WiFi-TP**), $\pm 0.1^{\circ}\text{C}$ (**HDT-WiFi-TP+**)
- Supplied with wall bracket, USB cable and removable thermister probe



Technical Details	
Battery Life²	1 year typical under ideal conditions
USB Supply Voltage	4.5V D.C. (min), 5V D.C. (typical), 5.5V D.C. (max)
Operating Temperature Range	-20°C to $+60^{\circ}\text{C}$ (-4°F to $+140^{\circ}\text{F}$)
Logging Period (user configurable)	Every 10 seconds (min), 10 minutes (typical), 12 hours (max)
Transmission Period (user configurable)	1 minute (min), 1 hour (typical), 24 hours (max)
Temperature Measurement Range	-40°C to $+125^{\circ}\text{C}$ (-40°F to $+257^{\circ}\text{F}$)
Temperature Measurement/Display Resolution	HDT-WiFi-TP: 0.1°C / 0.1°C , HDT-WiFi-TP+: 0.01°C / 0.01°C
Temperature Accuracy	HDT-WiFi-TP: $\pm 0.6^{\circ}\text{C}$ (-10°C to $+70^{\circ}\text{C}$) typical, $\pm 1.0^{\circ}\text{C}$ (-40°C to $+125^{\circ}\text{C}$) max HDT-WiFi-TP+: $\pm 0.1^{\circ}\text{C}$ (-10°C to $+70^{\circ}\text{C}$) typical, $\pm 0.3^{\circ}\text{C}$ (-40°C to $+125^{\circ}\text{C}$) max
Dimensions (excluding bracket)	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+

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+ only.**

- -40°C to $+125^{\circ}\text{C}$ (-40°F to $+257^{\circ}\text{F}$) measurement range
- Accuracy of $\pm 0.1^{\circ}\text{C}$ (-10°C to 70°C), $\pm 0.3^{\circ}\text{C}$ (-40°C to $+125^{\circ}\text{C}$)
- 40 minute T90 response (based on response to a step temperature change of -10 to 21°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 $\pm 1.5^{\circ}\text{C}$ with the type K probe(s) supplied. The probes are connected using miniature thermocouple connectors, which allows alternative K, J, T and N type probes to be used.

The **HDT-WiFi-TC** has a protection rating of IP55 and the **HDT-WiFi-DTC** has a protection rating of IP43.

- Temperature measurement range -270°C to $+1300^{\circ}\text{C}$ (-454°F to $+2372^{\circ}\text{F}$) (probe dependent)
- Supplied with wall bracket, USB cable and 1 x Type K probe (HDT-WiFi-TC), 2 x Type K probe (HDT-WiFi-DTC)



Technical Details	
Battery Life²	HDT-WiFi-TC: 1 year typical HDT-WiFi-DTC: > 6 months under ideal conditions
USB Supply Voltage	4.5V D.C. (min), 5.5V D.C. (max)
Operating Temperature Range	-20°C to $+60^{\circ}\text{C}$ (-4°F to $+140^{\circ}\text{F}$)
Logging Period (user configurable)	Every 10 seconds (min), 10 minutes (typical), 12 hours (max)
Transmission Period (user configurable)	1 minute (min), 1 hour (typical), 24 hours (max)
Temperature Measurement Range	-270°C to $+1300^{\circ}\text{C}$ (-454°F to $+2372^{\circ}\text{F}$)
Temperature Measurement/Display Resolution	0.1°C / 0.1°C
Temperature Accuracy (probe dependent)	$\pm 1.5^{\circ}\text{C}$
Dimensions (excluding bracket)	HDT-WiFi-TC: 82mm (H) x 70mm (W) x 22mm (D) HDT-WiFi-DTC: 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