

HDT-WiFi-TP / 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°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°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°C to $+125^{\circ}\text{C}$ (-40°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

Battery Life²	> 6 months 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 (0.2°F) / 0.1°C , HDT-WiFi-TP(PLUS): 0.01°C (0.01°F) / 0.1°C
Temperature Accuracy	HDT-WiFi-TP: $\pm 0.75^{\circ}\text{C}$ (-15°C to $+70^{\circ}\text{C}$) typical, $\pm 1.5^{\circ}\text{C}$ (-40°C to $+125^{\circ}\text{C}$) max HDT-WiFi-TP(PLUS): $\pm 0.2^{\circ}\text{C}$ (-15°C to $+80^{\circ}\text{C}$) typical, $\pm 0.6^{\circ}\text{C}$ (-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(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°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$) measurement range
- Accuracy of $\pm 0.1^{\circ}\text{C}$ (-10°C to $+60^{\circ}\text{C}$), $\pm 0.3^{\circ}\text{C}$ (-40°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°C to $+1350^{\circ}\text{C}$ (-328°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

Battery Life²	> 6 months typical under ideal conditions
USB Supply Voltage	4.5V D.C. (min), 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 (0.2°F) / 0.1°C
Temperature Accuracy	$\pm 1.5^{\circ}\text{C}$ ($\pm 3^{\circ}\text{F}$)
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

¹ EasyLog WiFi software is downloadable for free via a supplied website link. Please visit our website for latest software compatibility information.

² Battery life is dependent on a variety of factors such as transmission period, WiFi encryption method, sampling rate, operating temperature etc.

