

EL-WiFi-TC

External Thermocouple WiFi Temperature Sensor



- Thermocouple probe temperature measurement range -200 to +1300°C (-328 to +2372°F) (probe dependent)
- Wirelessly stream and view data on the EasyLog Cloud, App or on a PC
- Easy sensor set-up using free PC software application
- View and analyse multiple sensors, including graphing of historic data
- Configurable high and low alarms with indicator
- Sensor memory stores all data even if WiFi is temporarily disconnected

The EL-WiFi-TC measures the temperature of the environment in which the probe is situated. This sensor is typically accurate to $\pm 1.5^{\circ}\text{C}$ / $\pm 3^{\circ}\text{F}$. Data is streamed wirelessly over any WiFi network and can be viewed on a PC using free software or on the EasyLog Cloud.



During configuration, the sensor will search for an existing wireless network whilst physically connected to the PC. It can then be placed anywhere within range of the network. If the sensor temporarily loses connectivity with the network, it will log readings until it is able to communicate again with the PC application or EasyLog Cloud (max 30 days at 10 second sample interval).

The sensor is IEEE 802.11b compliant, supports WEP, WPA/WPA2 encryption and enterprise networks.

EL-WiFi-TC has a protection rating of IP44. The unit is freestanding, but can be attached to a wall or surface using the bracket provided.

SPECIFICATIONS

	Minimum	Typical	Maximum	Unit
Battery life		>6		Months
Probe measurement range	K-type (supplied) 0 (+32) K-type -200 (-328) J-type -200 (-328) T-type -200 (-328)		+200 (+392) +1300 (+2372) +1190 (+2174) +390 (+734)	$^{\circ}\text{C}$ ($^{\circ}\text{F}$)
USB supply voltage	4.5	5	5.5	Vdc
Operating temperature range	-20 (-4)		+60 (+140)	$^{\circ}\text{C}$ ($^{\circ}\text{F}$)
Logging period (user configurable)	10 sec	10 min	12 hrs	
Transmission period (user configurable)	1 min	1 hr	24 hrs	
Temperature measurement resolution		0.1 (0.2)		$^{\circ}\text{C}$ ($^{\circ}\text{F}$)
Temperature display resolution		0.1		
Temperature accuracy		± 1.5 (± 3)		$^{\circ}\text{C}$ ($^{\circ}\text{F}$)
Dimensions	82 x 70 x 36mm (3.22 x 2.75 x 1.41")			

ACCESSORIES

PSU-5VDC-USB-USA	USB Mains Power Adapter for USA
PSU USB-UK	USB Mains Power Adapter for UK
PSU USB-EU	USB Mains Power Adapter for EU
EL-WiFi-Alert	Audible and Visual Alarm for EL-WiFi Data Logging Sensors

INCLUDED IN THE BOX

EL-WIFI WALL BRACKET	Wall mounting bracket for EL-WiFi sensors
K-TYPE PROBE 1M5	1.5m K-type thermocouple with stainless steel probe (Class 2)
CABLE USB A-MICRO B	USB Type A to Micro B



CALIBRATION CERTIFICATES NOW AVAILABLE

Lascar now offers a Traceable Calibration Certificate Service on Temperature Data Loggers. Using reference equipment which has been calibrated by a UKAS/NIST accredited laboratory and using apparatus traceable to national or international standards

