EL-WiFi-TPX+

Wi-Fi Connected High-Accuracy Temperature Data Logger with Alarm Warning Light and Sounder

- Temperature measurement range -40 to +125 °C (-40 to +257 °F)
- Configurable alarm levels with on-board warning light and sounder
- Digital calibratable probe with 3m cable (calibration certificate can be ordered separately)
- No need to remove from service for recalibration, just replace the probe
- Wirelessly stream and view data on the EasyLog Cloud, and configure alarm email notifications
- View and analyse multiple devices, including graphing of historic data
- Easy device setup using free PC software or mobile app
- Device memory stores all data even if Wi-Fi is temporarily disconnected

The EL-WiFi-TPX+ measures the temperature of the environment in which the probe is situated. Data is streamed wirelessly over any compatible Wi-Fi network and can be viewed on any internet-enabled device, via browser or free mobile app.

Device setup and connection to a Wi-Fi network and the EasyLog Cloud are simple, just download the free EasyLog WiFi PC software or the free EasyLog Cloud mobile app and follow the device setup wizard. The device can be placed anywhere within range of the Wi-Fi network. If the device temporarily loses connectivity with the Wi-Fi network, it will log readings until it is able to communicate again with the EasyLog Cloud (max. 30 days at 10 second sample interval).

The device is IEEE 802.11bgn (2.4GHz) compliant, supports WEP, WPA/WPA2 encryption and enterprise networks (PEAP, TTLS, FAST).

The EL-WiFi-TPX+ has a protection rating of IP42, and the probe IP67. The device is freestanding, but can be attached to a wall or surface using the bracket provided, and clipped in and out of the bracket as required. This device is equipped with a translucent back to show a red flashing indicator when it is in an alarm state as well as a moderate volume sounder to alert anyone in close proximity.

SPECIFICATIONS

	Minimum	Typical	Maximum	Unit
Battery life*		>6		Months
USB supply voltage (@500mA)	4.5	5.0	5.5	Vdc
Operating temperature range	-20 (-4)		+60 (+140)	°C (°F)
Logging period (user configurable)	10 sec	10 min	12 hrs	
Transmission period (user configurable)	1 min	1 hr	24 hrs	
Temperature measurement range	-40 (-40)		+125 (+257)	°C (°F)
Temperature measurement resolution		0.01 (0.02)		°C (°F)
Temperature display resolution		0.01		
Temperature accuracy**		±0.2/±0.4 (-15 to +80/ +5 to +176)	±0.6/±1.1 (-40 to +125/ -40 to +257)	°C/°F
IP Rating	Logger IP42, Probe IP67 (Bung fully inserted, not permanently powered, probe connector fitted and fully inserted, device mounted vertically.)			
Dimensions	82 x 70 x 36mm (3.22 x 2.75 x 1.41")			

* Please note the battery life statement on page 2 of this data sheet
** Accuracy may be affected when using a non-approved power supply to charge or permanently power the EL-WiFi-TPX+

ACCESSORIES

EL-P-TPX+	Replacement High-Accuracy Calibratable Thermistor Probe
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

INCLUDED IN THE BOX

EL-WIFI-TPX+	High-Accuracy Data Logger with Calibratable Thermistor Probe
EL-WIFI WALL BRACKET	Wall Mounting Bracket for EL-WiFi Sensors
CABLE USB A-MICRO B	USB Type A to Micro B

CALIBRATION CERTIFICATES NOW AVAILABLE

Lascar now offers a traceable calibration certificate service. Using reference equipment which has been calibrated by a UKAS/NIST accredited laboratory and using apparatus traceable to national or international standards. For more information please see.

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EasyLog

Easy Device Set Up and Connection

EL-WiFi-TPX+ is easy to set up and connect to the EasyLog Cloud. Use the EasyLog WiFi software for PC* (free to download) or the EasyLog Cloud app available from Google Play or on the App Store.

*Requires Windows 7, 8.1, 10

WiFi EasyLog

GET IT ON **Google play**

Download on the **App Store**

EasyLog Cloud
Your Data. Anytime. Anywhere.

EasyLog Cloud harnesses the power of IoT to automate data logging and alert notifications, enabling you to monitor and manage multiple data logging devices in different locations completely remotely. The system easily scales to meet your needs. Perfect for compact systems with just a few measuring points, or corporate solutions with thousands of devices around the globe.

You will need to create an account at www.easylogcloud.com before setting up your cloud-connected data logger.

Features at a glance*

| Store your data logging records securely on the Cloud | Connect multiple users with variable account privileges | Connect data loggers from multiple sites in a single account | Easily access your most important data, anywhere | Remotely manage all of your data logging devices | Never miss a critical event with flexible advanced notifications | Review and analyse your data with powerful graphing functionality | Keep track of data events and system activity with a detailed event log |

*Features depend on account type.

Battery Life and Power Supply

The battery can be recharged (unit must be between 0 - 40°C) via a PC, a USB +5V wall adapter, or a portable USB battery pack using the USB lead provided. It can also be permanently powered by a USB wall adapter or USB battery pack. Readings may be affected while the internal battery is being charged. However, once charged, continued connection of the charger will have no effect.

Battery life is dependent on: transmission period, Wi-Fi encryption method, Wi-Fi encryption key rotation frequency (determined by the router/access point), signal strength between router/access point and Wi-Fi device, presence, volume and type of Wi-Fi traffic from other devices, sample rate, operating temperature and frequency of audible and visual alerts.

Specifications liable to change without prior warning