

## Lascar EL-IOT-1 WiFi Temperature Data Logger



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockings of Thermocouple Cables. The Company has been trading since 1971 and is ISO9001 accredited.

The EL-IOT-1 is an ambient temperature, Cloud-connected WiFi data logger. The first product to be released from Lascar's brand new range of EL-IOT devices, it sets a new standard for low-cost data loggers with a list price of only GBP59.99. Compared with our other WiFi temperature monitoring devices starting at GBP75, it's a significant saving.

The versatile new EL-IOT-1 is packed full of helpful features to make sure temperature changes are never missed. Easily set up your device in the EasyLog App, with configuration and data analysis available in the EasyLog Cloud, making the EL-IOT-1 even easier to use than ever.

**Key Features:**

- Internal temperature sensor with -20°C to 60°C measurement range
- Accuracy: +/- 0.5°C
- Uploads data to the EasyLog Cloud
- Status indicators and sounder
- Set up your own alarms and notifications
- Create audit marks at the push of a button
- Easy set up using the EasyLog App
- Built-in sounder alarm
- LEDs for at-a-glance status indication
- Email and SMS notifications straight to your phone or internet-connected device
- Typical battery life over 1 year, or can be permanently powered

## Specifications

<b>Product Code</b>	XE-4038-001
<b>Model</b>	EL-IOT-1
<b>General Description</b>	Cloud Storage Data Logger
<b>Communications Protocol</b>	WiFi
<b>Accuracy</b>	+/- 0.5°C (+/- 0.9°F)
<b>Readings</b>	100,000 readings internal memory
<b>Resolution</b>	0.1°C
<b>Logging Interval</b>	10 seconds to 12 hours (user selectable)
<b>Battery</b>	Supplied with a 1/2 AA battery. Battery life: 2 years
<b>Connector Type</b>	Plug
<b>Connector Size</b>	Miniature (moulded-on)
<b>Dimensions</b>	94 x 83 x 31 mm
<b>Element/hot junction</b>	Single element, grounded junction offering fast response
<b>Max. Temperature</b>	+80°C (176°F)
<b>Min. Temperature</b>	-35°C (-31°F)
<b>Temperature Range</b>	-100 to +100°C (-148 to +212°F)



<b>Operating Temperature</b>	-18 to 60°C (0 to 140°F) on battery power. -20 to 60°C (-4°F to 140°F) with power supply
<b>Probe Diameter</b>	3.3mm
<b>Probe Length</b>	80mm
<b>Probe Material</b>	Needle point tip, 316 stainless steel
<b>Power Consumption</b>	Battery life: 2 years (at 25°C and 1 minute logging rate, LCD on)
<b>Power Supply</b>	4 x AA 1.5V batteries or via mains supply
<b>Sensor Type</b>	Mineral insulated
<b>Standards Met</b>	IP54 (splash proof)
<b>Thermocouple Type</b>	K
<b>Termination Type</b>	Miniature moulded flat pin plug, colour coded 'green' in accordance IEC specification