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.

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Datasheet

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. Compared with our other WiFi temperature monitoring devices, it's offers great value. 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: <ul> 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

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

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