EL-MOTE-TC

Thermocouple Probe Cloud-Connected Temperature Data Logger

EasyLog

- Measures temperature between 0 to +200°C / +32 to +392°F using the standard K-type probe provided. Other thermocouple probes can also be used

- Records and uploads temperature data to the EasyLog Cloud

- Access live temperature data via any Internet Browser or the EasyLog Cloud App

- Set up alarm options for temperature zone breaches – email alerts, beeper alarms or LED flash alerts

- Battery life of up to 2 years

The EL-MOTE-TC has been designed to monitor temperature in a large range of applications, using a standard K-type probe on a 1.5m cable. Ideal for monitoring locations perhaps difficult or inhospitable to the data logger itself, the EL-MOTE-TC is ideal for monitoring environments where a wide temperature range is required. Other thermocouple probes can be used with the EL-MOTE-TC for applications requiring temperature readings outside of those covered by the supplied probe (see specification table for details).

Products in the EL-MOTE range are simple to set-up and easy to use. Download the EasyLog Cloud App and set-up a device in minutes over your WiFi network. After set-up, the device can be placed anywhere within range of the WiFi network, continually monitoring and recording your data to the EasyLog Cloud. Access your data on any Internet Browser or the EasyLog Cloud App, enabling you to monitor the temperature of your chosen location from anywhere at any time.

EL-MOTE devices can be programmed with high and low temperature alarm zones. If a temperature zone is breached, an alarm will be activated. Alarm options include: email alerts (which can be sent to one or multiple email addresses), beeper sound alarms, and LED flash alerts.

EL-MOTE devices can be powered using the supplied batteries or a mains adapter (sold separately), and are provided with a wall mountable bracket for installation.

With EasyLog's brand new range of smart probe enabled data loggers, such as the EL-MOTE-TC, there is no need to take your product out of action and send it away for re-calibration for what can often be weeks. When it comes time to re-calibrate your data logger, simply order a new pre-calibrated smart probe, which you can immediately swap in for your old one.

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*

*Features depend on account type.

| 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 |

LASCAR electronics

EL-MOTE-TC

Thermocouple Probe Cloud-Connected Temperature Data Logger

EasyLog

Logger Specification	Minimum	Typical	Maximum	Unit
Battery Life		2*		years
Battery Type		4 x 1.5V AA cells		
Operating Temperature (Powered by Batteries Supplied)	-18 (-0.4)		+55 (+131)	˚C (˚F)
Operating Temperature (Mains Adapter Powered)	-20 (-4)		+60 (+140)	˚C (˚F)
Accuracy (excl. supplied probe)		±1 (0 to 200) (±2 (32 to 392))		˚C (range) (˚F (range))
Resolution		0.1 (0.2)		˚C (˚F)
Logging Period (User Configurable)	10 sec	10 min	12 hrs	
Transmission Period (User Configurable)	1 min	1 hour	24 hours	
Dimensions		93 x 93 x 32 (3.7 x 3.7 x 1.3)		mm (inches)
IP Rating		67		

K Type Probe Specification (EL-P-TC-K provided)	Minimum	Typical	Maximum	Unit
Range		0 to +200°C (+32 to +392°F)		˚C (˚F)
Accuracy		±2.5 (±4.5)		˚C (˚F)
Probe Length		100 (3.9)		mm (inches)
Cable length		1500 (59.1)		mm (inches)

Other Compatible Probe Specifications	Minimum	Typical	Maximum	Unit
K Type Measurement Range		-200 to +1,300 (-328 to +2,372)		˚C (˚F)
J Type Measurement Range		-200 to +1,190 (-328 to +2,174)		˚C (˚F)
T Type Measurement Range		-200 to +390 (-328 to +734)		˚C (˚F)

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

FC CONTAINS FCC ID: YOPGS2011MIZ   CE   R 211-140401

* Battery life is dependent on: transmission period, WiFi encryption method, WiFi encryption key rotation frequency (determined by the router/access point), signal strength between router/access point and WiFi device, presence, volume and type of WiFi traffic from other devices, sample rate and operating temperature. Logging period and transmission period can be configured in Settings via the EasyLog Cloud App.

WHAT'S IN THE BOX?

PART NUMBER	DESCRIPTION
EL-MOTE WALL BRACKET	Wall Mounting Bracket for EL-MOTE Device
BATTERIES	1.5V AA x 4
EL-SP-TC	K type thermocouple probe - 1.5m cable (EL-P-TC-K) and smart probe adapter

WHAT EXTRA ACCESSORIES ARE AVAILABLE?

PART NUMBER	DESCRIPTION
EL-MOTE-PSU	Mains Power Adapter
EL-SP-TC	K type thermocouple probe - 1.5m cable (EL-P-TC-K) and smart probe adapter
EL-MOTE WALL BRACKET	Wall Mounting Bracket for EL-MOTE Device

Specifications liable to change without prior warning

CALIBRATION CERTIFICATES NOW AVAILABLE

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