

EL-USB-2

Temperature, Humidity and Dew Point Data Logger



- -35 to +80°C (-31 to +176°F) and 0 to 100%RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- EasyLog software available as a free download
- Logging rates between 10 seconds and 12 hours
- Immediate and delayed logging start
- User-programmable alarm thresholds for both temperature and humidity
- Status indication via red/green LEDs
- Environmental protection to IP67



This standalone data logger measures and stores over 16,000 temperature and humidity readings from -35 to +80°C (-31 to +176°F) and 0 to 100%RH range at a resolution of 0.5°C (1°F) and 0.5%RH.

The user can easily set up the logger and view downloaded data by plugging the data logger into a PC's USB port and using the free EasyLog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

The data logger is supplied with a lithium metal battery, giving up to three years' logging life. The logger is protected against ingress from water and dust to IP67 standard when the cap is fitted.

SPECIFICATIONS

Temperature	Measurement range	-35°C to 80°C (-31°F to 176°F)
	Internal resolution	0.5°C (1°F)
	Accuracy (overall error)*	0.45°C (1.04°F) typical (5 to 60°C)
	Long term stability	<0.02°C (0.04°F) / year
Relative Humidity	Measurement range	0 to 100%RH
	Internal resolution	0.5%RH
	Accuracy (overall error)*	3%RH (20 to 80%RH)
	Long term stability	<0.25%RH / year
Dew Point	Accuracy (overall error)*	1.7°C typical (-35 to 80°C, 40 to 100%RH)
Logging rate		User selectable between 10 seconds & 12 hours
Operating temperature range		-35 to +80°C (-31 to +176°F)
Battery life		3 years (at 25°C and 1 minute logging rate)
Readings		16,382 temperature, 16,382 relative humidity
Dimensions		108 x 25 x 22mm (4.25 x 0.98 x 0.86")

* The overall error takes in to account the sensor accuracy (as shown on page 3) and the resolution of the data logger

ACCESSORIES

BAT 3V6 1/2AA	Replacement battery
EL-DataPad	Handheld data logger programmer & collector

INCLUDED IN THE BOX

BAT 3V6 1/2AA	Battery
EL-USB WALL BRACKET	Mounting Bracket

CALIBRATION CERTIFICATES NOW AVAILABLE



EL-USB-TC

K, J & T-Type Thermocouple Data Logger



Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape

- Compatible with K, J and T type thermocouples with miniature thermocouple plug connection
- Stores over 32,000 readings
- EasyLog software available as a free download
- Supplied with 1.5m K-type thermocouple probe with 0 to 200°C (32 to 392°F) measurement range
- Logging rates between 1 second and 12 hours
- Immediate and delayed logging start
- User-programmable alarm thresholds
- Status indication via red and green LEDs



This standalone data logger measures and stores more than 32,000 temperature readings from a J, K or T-type thermocouple at a resolution of 0.5°C (1°F). It comes supplied with a K-type thermocouple capable of measuring from 0 to +200°C (+32 to +392°F).

Your application will determine which probe is most suitable based on temperature range, accuracy, form and price. A wide variety of alternative thermocouples are available. Please call Lascar for vendor recommendations.

The user can easily set up the logger and view downloaded data by plugging the data logger into a PC's USB port and using the free EasyLog software. Data can then be graphed, printed and exported to other applications for detailed analysis.

The data logger is supplied with a lithium metal battery which typically gives 2 years' logging life.

SPECIFICATIONS

Probe measurement range	0 to 200°C (32 to 392°F) K-type (supplied) -200 to +1350°C (-328 to +2462°F) K-type -200 to +1190°C (-328 to +2174°F) J-type -200 to +390°C (-328 to +734°F) T-type
Internal resolution	0.5°C (1°F)
Accuracy (overall error)	±1°C (±2°F) (data logger only - thermocouple error not included)
Logging rate	User selectable between 1 second & 12 hours
Operating temperature range	-10 to +40°C (+14 to +104°F) (data logger only)
Battery Life	2 years (at 25°C and 1 minute logging rate)
Readings	32,510
Dimensions	118 x 27 x 27mm (4.64 x 1.06 x 1.06")

ACCESSORIES

BAT 3V6 1/2AA	Replacement battery
EL-P-TC-K	Replacement K-type thermocouple probe
EL-DataPad	Handheld datalogger programmer & collector

INCLUDED IN THE BOX

BAT 3V6 1/2AA	Battery
EL-P-TC-K	K-type thermocouple probe
EL-USB WALL BRACKET	Mounting Bracket

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