

This data logger measures and stores over 32,000 temperature readings from either a K, J or T type thermocouple. A thermocouple is attached via the thermocouple socket at the base of the unit. The user can easily set up the thermocouple type, logging rate, start-time, logging mode, and download the stored data by plugging the module straight into a PC's USB port and running the purpose designed software under Windows 2000, XP or Vista. Data can then be graphed, printed and exported to other applications. The data logger is supplied complete with a long-life lithium battery, which will last for approximately 6 months.

- -200 to +1300°C Measurement Range (K-type)
- -130 to +900°C Measurement Range (J-type)
- -200 to +350°C Measurement Range (T-type)
- USB Interface for Set-up and Data Download
- 2 User-Programmable Alarm Thresholds
- Bright Red and Green LED Indication
- Replaceable Internal Lithium Battery
- Supplied with basic K-type thermocouple rated from 0 to 110°C (32 to 230°F)



### WINDOWS CONTROL SOFTWARE

Easy to install and use, the control software runs under Windows 2000, XP (Home and Professional Editions) and Vista (32-bit). It allows the user to set up and download any EL-USB-TC. The latest version of the control software may be downloaded from [www.lascarelectronics.com](http://www.lascarelectronics.com).

### DATA LOGGER SET-UPS

- Logger Name
- °C, °F
- Logging Rate (1s, 10s, 1m, 5m, 30m, 1hr, 6hr, 12hr)
- High and Low Alarms
- Start Date and Start Time
- Range of logging modes available

### ORDERING INFORMATION

Standard Data Logger (Data Logger, Software on CD, Battery, 1.5m basic K-type Thermocouple)	Stock Number EL-USB-TC
Replacement Battery	BAT 3V6

### SPECIFICATIONS

Specification	Min.	Typ.	Max.	Unit
Probe Measurement range (K-type)	-200 (-328)		+1300 (2372)	°C (°F)
Probe Measurement range (J-type)	-130 (-202)		+900 (1652)	°C (°F)
Probe Measurement range (T-type)	-200 (-328)		+350 (662)	°C (°F)
Operating temperature range *	-10 (14)		+40 (104)	°C (°F)
Resolution (internal and displayed)		0.5 (1)		°C (°F)
Accuracy (logger error)		+/- 1(2)**		°C (°F)
Logging rate	every 1s		every 12hr	-
1/2AA 3.6V Lithium Battery Life ***		6		Month

\* Using thermocouple sensors, the EL-USB-TC can log temperatures as detailed above, but the data logger should not be subjected to temperatures outside the Operating temperature range.

\*\* EL-USB-TC is designed to be used whilst disconnected from USB port.

\*\*\* @ 25°C and 1m logging rate

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Specifications liable to change without prior warning

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S.C. Applies to EL-USB-TC

