

# EL-USB-TC-LCD

## Thermocouple Data Logger with LCD and USB Interface

### ORDERING INFORMATION

Standard Data Logger (Data Logger, Measurement Leads, Software on CD and Battery)	EL-USB-TC-LCD
Replacement Battery	BAT 3V6 1/2AA

### FEATURES

- -200 to +1350°C (-328 to +2462°F) K-type measurement range
- -200 to +1190°C (-328 to +2174°F) J-type measurement range
- -200 to +390°C (-328 to +734°F) T-type measurement range
- High contrast LCD, with four digit temperature display
- USB Interface for set-up and data download
- User-programmable alarm thresholds
- Status indication via red and green LEDs
- Immediate, delayed and push-to-start logging
- Supplied with basic K-type thermocouple rated from 0 to 400°C (32 to 752°F)
- Supplied complete with replaceable internal lithium battery and Windows control software



This standalone data logger measures and stores up to 32,510 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 logging rate and start-time, and download the stored data by plugging the data logger into a PC's USB port and running the purpose designed software under Windows 2000, XP and Vista (32-bit). Data can then be graphed, printed and exported to other applications.

The high contrast LCD can show several different temperature variables. The user can cycle between these using the push button. The data logger is supplied complete with a long-life lithium battery, which can typically allow logging for up to 6 months.

Specifications	Minimum	Typical	Maximum	Unit
Probe Measurement range (K-type)	-200 (-328)		+1350 (+2462)	°C (°F)
Probe Measurement range (J-type)	-200 (-328)		+1190 (+2174)	°C (°F)
Probe Measurement range (T-type)	-200 (-328)		+390 (+734)	°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 1 s		every 12 hr	-
1/2AA 3.6V Lithium Battery Life		6***		Months

\* Operating temperature applies to the data logger module only. Please consult the probe manufacturer for operating temperature of thermocouple.

\*\* Quoted accuracy is for the data logger only and excludes the thermocouple probe. Thermocouple error should also be taken into consideration.

\*\*\* Depending on sample rate, ambient temperature and use of LCD.









