

Lascar's EL-USB data loggers are ideal for use across a wide range of industries and applications:

Environmental:

Wide measurement ranges and waterproof protection make the EL-USB range well suited to monitoring environmental conditions. The logged data can provide information on the correct functioning of control equipment or track environmental changes over a period.

- Food storage
- HVAC
- Wine cellars
- Museums
- Horticulture
- HACCP compliance
- Warehousing
- Temperature controlled haulage
- Refrigerator or freezer monitoring
- Factory floors
- Agriculture
- Laboratory conditions
- Shipping

Process Monitoring:

The EL-USB range of data loggers is used to provide a cost effective and easy-to-use method of monitoring specific processes. The EL-USB-3 and EL-USB-4 can be connected to any sensor outputting voltage or 4-20mA, with the rest of the range using integral sensors to record temperature, humidity or carbon monoxide levels.

- Pressure monitoring
- Flow monitoring
- Level monitoring
- Power usage
- Gas detection
- pH level

USB DATA LOGGERS - TEMPERATURE, HUMIDITY, VOLTAGE, 4-20mA & CARBON MONOXIDE

The world's first direct to USB data logger, the EL-USB-1 measures and records ambient temperatures between -35 and +80°C (-31 to +176°F). IP67/NEMA 4X protection makes this model ideal for indoor and outdoor applications.



EL-USB-1

Temperature USB Data Logger

- -35 to +80°C (-31 to +176°F) measurement range
- USB interface for set-up and download
- More than 16,000 reading capacity
- Programmable sample rates
- Configuration and graphing software included
- Two programmable alarm thresholds with LED indication
- Translucent cap provides waterproof seal
- Replaceable internal battery included

The popular EL-USB-2 measures and records ambient temperatures between -35 and +80°C (-31 to +176°F) and humidity from 0 to 100% RH. IP67/NEMA 4X protection makes this model ideal for indoor and outdoor applications.



EL-USB-2

Temperature & Humidity USB Data Logger

- -35 to +80°C (-31 to +176°F) and 0 to 100% RH measurement range with calculated dew point
- USB interface for set-up and download
- More than 16,000 readings for each channel
- Programmable sample rates
- Configuration and graphing software included
- Two programmable alarm thresholds with LED indication for each channel
- Replaceable internal battery included

The EL-USB-3 accepts voltage inputs of 0 to 30Vd.c., allowing measurements to be recorded from a wide variety of sensors. Connection to the voltage being measured is via terminals housed in the cap.



EL-USB-3

Voltage USB Data Logger

- 0 to 30Vd.c. measurement range
- USB interface for set-up and download
- More than 32,000 reading capacity
- Programmable sample rates from 1 second to 12 hours
- Configuration and graphing software included
- Two programmable alarm thresholds with LED indication
- Connection via screw terminals located in cap
- Replaceable internal battery included

The EL-USB-4 is a 4-20mA data logger enabling quick and easy monitoring of manufacturing processes and equipment. Connection to the current loop being measured is via screw terminals housed in the cap.



EL-USB-4

4-20mA USB Data Logger

- 4 to 20mA measurement range
- USB interface for set-up and download
- More than 32,000 reading capacity
- Programmable sample rates from 1 second to 12 hours
- Configuration and graphing software included
- Two programmable alarm thresholds with LED indication
- Connection via screw terminals located in cap
- Replaceable internal battery included

The EL-USB-CO measures and records potentially dangerous carbon monoxide gas in the air. This can provide valuable information for process monitoring and about the correct functioning of boilers, furnaces, fireplaces etc.



EL-USB-CO

Carbon Monoxide USB Data Logger

- ? 0 to 1000ppm Carbon Monoxide measurement range
- ? USB interface for set-up and download
- ? More than 32,000 reading capacity
- ? Programmable sample rates
- ? Configuration and graphing software included
- ? Sounder located in cap
- ? Replaceable internal lithium battery included

The EL-USB-LITE temperature data logger provides much of the functionality of the EL-USB-1 in an extremely compact, low-cost package.



EL-USB-LITE

Low Cost Temperature USB Data Logger

- ? -10 to +50°C (+14 to +122°F) measurement range
- ? USB interface for set-up and download
- ? More than 4,000 reading capacity
- ? 30 minute fixed sample rate
- ? Configuration and graphing software included
- ? Two programmable alarm thresholds with LED indication
- ? Replaceable internal battery included

The EL-USB-RT measures temperature and relative humidity from -10 to +60°C (+14 to +140°F) and 0 to 100%RH. The PC displays the temperature, humidity and dew point in real time and saves it to a file which can store up to 7 days worth of data.



EL-USB-RT

Real-time USB Temperature & Humidity Monitor

- ? -10 to +60°C (+14 to +140°F) Measurement Range
- ? 0 to 100%RH Measurement Range
- ? Dew Point indication via Windows Control Software
- ? USB Interface
- ? User-Programmable Alarm Thresholds for T & RH%

The EL-USB-TC measures and stores over 32,000 temperature is attached via the thermocouple socket at the base of the unit.



EL-USB-TC

Thermocouple Data Logger with USB Interface

- ? -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 included
- ? Supplied with K-type thermocouple (0 to 300°C)

EL-WIN-USB Software

EL-WIN-USB

- ? Easy to install and use
- ? Compatible with Windows 98, 2000 and XP
- ? Assign unique logger identity
- ? Set sample rate and alarm thresholds
- ? Powerful graphing application
- ? Export data to spreadsheet packages



BATT 3.6V

Replacement battery for the EL-USB range
(½ AA Lithium 3.6 Volt battery)

