EL-USB Data Loggers

A selection of USB Data Loggers including variants of the EL-USB-1, EL-USB-2 and EL-USB-TC. Easy to set up and download data by plugging these units into a PC's USB port and using the free EasyLog software provided. Data can then be graphed, printed and exported to other applications for detailed analysis.

EL-USB-1 Temperature Data Logger

XE-3973-001

The EL-USB-1 is a USB temperature data logger with a measurement range of -35 to +80°C (-31 to +176°--F). The data logger can store up to 16,382 readings and is supplied with a long-life replaceable lithium battery, allowing the unit to log data continually for at least one year (depending on logging rate and temperature). The status of EL-USB-1 is indicated by flashing red, green and orange LEDs. The data logger is protected against moisture to IP67 standard when the protective cap is fitted.

Data logger configuration software is supplied, allowing the user to easily set-up the data logger. Selectable parameters include logging rate, measurement units, high & low alarms and start-time. The logged data stored in EL-USB-1 is downloaded via the configuration software. Once downloaded data can be graphed, printed or exported to other applications.

The data logger configuration software is compatible with Windows 2000/XP/Vista/7.

The EL-USB-1 is suitable for a wide variety of applications, these include:

- Pharmaceutical fridge monitoring
- Food & drink
- Building & site monitoring
- HVAC

USB Temperature Data Logger, IP67 rated, supplied with configuration software:

- USB temperature data logger
- Configuration software
- 2 Settable alarm thresholds
- LEDs indicate logger status
- IP67 protection

General Description	This standalone data logger measures and stores more than 16,000 temperature readings over a -35 to +80°C (-31 to +176°F) range with a resolution of 0.5°C (1°F).
Accuracy	±1°C (±2°F)
Dimensions	99 x 25 x 23mm (3.89 x 0.98 x 0.90")
Max. Temperature	80°C (176°F)
Min. Temperature	-35°C (-31°F)
Power Consumption	3 years battery life (at 25°C and 1 minute logging rate)
Power Supply	BAT 3V6 1/2AA (included)

EL-USB Loggers

EL-USB-1-LCD   Temperature Data Logger with USB and Display

XE-4040-001

This standalone data logger measures more than 16,000 readings over a -35 to +80°C (-31 to +176°--F) range. At the touch of a button, use the on-board display to cycle between the current, minimum and maximum temperature logs seen during the session.

Easily set up the logger and view downloaded data by plugging the unit into a PC's USB port and using the free software provided. Data can then be graphed, printed and exported to other applications for detailed analysis. Supplied with ½ AA battery and wall mount clip.

The EL-USB-1-LCD is suitable for a wide variety of applications. These include:

- Transportation
- Food & Drink
- Building and Site Monitoring
- Pharmaceutical Fridge Monitoring

General Description	The EL-USB-1-LCD is suitable for a wide variety of applications. These include Transportation, Food & Drink , Building and Site Monitoring, Pharmaceutical Fridge Monitoring.
Type	Temperature Data Logger with USB and Display
Accuracy	(overall error) ± 0.5°C typical
Input / Ranges	-35 to +80°C / -31 to + 176°F
Dimensions	99 x 25 x 23mm (3.89 x 0.98 x 0.90")
Power Consumption	Battery Life 2 years (at 25°C and 1 minute logging rate, LCD on)
Power Supply	BAT 3V6 1/2AA (included)
Maintenance	Logging Rate: User selectable between 10 seconds and 12 hours
Accessories	Calibration Certificate: Available Separately

EL-USB Loggers

EL-USB-1-PRO   Industrial Temperature Data Logger with USB

XE-4041-001

This standalone data logger measures more than 32,000 readings over a -40 to +125°C (-40 to +257°--F) range. Its robust stainless-steel assembly provides protection from corrosion, impact and water ingress to IP67/NEMA 4X.

Easily set up the logger and view downloaded data by plugging the unit into a PC's USB port and using the free software provided. Data can then be graphed, printed and exported to other applications for detailed analysis. Supplied with a specialist high temperature 2/3 AA battery.

The EL-USB-1-PRO is suitable for a wide variety of industrial applications. These include:

- Transportation
- Food & Drink
- Building and Site Monitoring

General Description	The EL-USB-1-PRO is suitable for a wide variety of applications. These include Transportation, Food & Drink , Building and Site Monitoring.
Type	Industrial Temperature Data Logger with USB
Accuracy	±0.2°C / ±0.4°F
Readings	32510
Input / Ranges	-40 to +125°C / -40 to +257°F
Power Consumption	Battery Life 2 years
Power Supply	Supplied with a specialist high temperature 2/3 AA battery.
Maintenance	Logging Rate: User selectable between 1 second and 12 hours
Accessories	Calibration Certificate: Available Separately

EL-USB Loggers

EL-USB-2 Humidity & Temperature Data Logger

XE-3976-001

This data logger measures and stores up to 16,382 relative humidity and 16,382 temperature readings over 0 to 100%RH and -35 to +80°C (-31 to +176°F) measurement ranges. The user can easily set up the logging rate and start time, and download the stored data by plugging the module straight into a PCs USB port and running the purpose designed software under Windows 2000, XP, Vista and 7. Relative humidity, temperature and dew point (the temperature at which water vapour present in the air begins to condense) data can then be graphed, printed and exported to other applications.

The data logger is supplied complete with a long-life lithium battery, which can typically allow logging for a year. Status indication is via flashing red and green LEDs. The logger is protected against ingress from water and dust to IP67 standard when the plastic cap and seal are fitted.

The EL-USB-2 is suitable for a wide variety of applications, these include:

- Pharmaceutical fridge monitoring
- Environmental and weather monitoring
- Agricultural and livestock
- Food & drink
- Building & site monitoring
- HVAC

General Description	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.
Accuracy	Temp: 0.55°C (1.04°F) typical (5 to 60°C) Humidity: 2.25%RH typical (20 to 80%RH)
Dimensions	108 x 25 x 22mm (4.25 x 0.98 x 0.86")
Max. Temperature	80°C (176°F) 100% RH
Min. Temperature	-35°C (-31°F) 0% RH
Power Consumption	Battery life: 3 years (at 25°C and 1 minute logging rate)
Power Supply	BAT 3V6 1/2AA (included)

EL-USB Loggers

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EL-USB-2-LCD   Temperature & RH Data Logger with USB and Display

XE-4042-001

This standalone data logger measures over 16,000 readings over a -35 to +80°C (-31 to +176°--F) and 0 to 100% humidity (RH) range. At the touch of a button, use the on-board display to cycle between the current, minimum and maximum temperature logs seen during the session for both temperature and humidity.

Easily set up the logger and view downloaded data by plugging the unit into a PC's USB port and using the free EasyLog software provided. Data can then be graphed, printed and exported to other applications for detailed analysis. Supplied with ½ AA battery and wall mount clip.

The EL-USB-2-LCD is suitable for a wide variety of applications. These include:

- Transportation
- Food and Drink
- Building and Site Monitoring
- Museum and Heritage Monitoring

General Description	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.
Type	Temperature & RH Data Logger with USB and Display
Accuracy	Temp: 0.55°C (1.04°F) typical (5 to 60°C) Humidity: 2.25%RH typical (20 to 80%RH)
Max. Temperature	80°C (176°F) 100% RH
Min. Temperature	-35°C (-31°F) 0% RH
Power Consumption	Battery life: 2 years
Power Supply	BAT 3V6 1/2AA (included)
Maintenance	Logging Rate: User selectable between 10 seconds and 12 hours

EL-USB Loggers

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EL-USB-3   Voltage Data Logger with USB

XE-4043-001

This standalone data logger measures more than 32,000 readings over a 0 to 30V d.c. range at a resolution of 50 mV d.c. The data logger is supplied with a 0 to 30V d.c. cap featuring a pair of screw terminals and measurement leads terminating in crocodile clips.

Easily set up the logger and view downloaded data by plugging the unit into a PC's USB port and using the free software provided. Data can then be graphed, printed and exported to other applications for detailed analysis. Supplied with ½ AA battery and wall mount clip.

The EL-USB-3 is suitable for a wide variety of applications. These include:

- Industrial
- Energy

General Description	This standalone data logger measures more than 32,000 readings over a 0 to 30V d.c. range at a resolution of 50 mV d.c.
Type	EL-USB-3 - Voltage Data Logger with USB
Accuracy	±1%
Readings	32,510
Input / Ranges	Measurement Range: 0 to 30V d.c.
Power Consumption	Battery life: 3 years
Power Supply	BAT 3V6 1/2AA (included)
Maintenance	Logging Rate: User selectable between 1 second and 12 hours

EL-USB Loggers

EL-USB-4   Current Data Logger with USB

XE-4044-001

This standalone data logger measures more than 32,000 readings over a 4-20mA d.c. measurement range. The data logger is supplied with a cap featuring a pair of screw terminals and measurement leads terminating in crocodile clips.

Easily set up the logger and view downloaded data by plugging the unit into a PC's USB port and using the free EasyLog software provided.

Data can then be graphed, printed and exported to other applications for detailed analysis. Supplied with ½ AA battery and wall mount clip.

The EL-USB-4 is suitable for Industrial applications.

General Description	This standalone data logger measures more than 32,000 readings over a 4-20mA d.c. measurement range.
Type	Current Data Logger with USB
Accuracy	±1%
Readings	32,510
Input / Ranges	Measurement Range: 4 to 20mA d.c.
Power Consumption	Battery Life 3 Years (at 25°C and 2 second logging rate)
Power Supply	BAT 3V6 1/2AA (included)
Maintenance	Logging Rate: User selectable between 1 second and 12 hours

EL-USB-LITE   Low Cost Temperature Data Logger with USB

XE-4048-001

This standalone data logger measures temperature every 30 minutes over a -10 to +50°C (+14 to +122°F) range. Easily set up the logger and view downloaded data by plugging the unit into a PC's USB port and using the free software provided.

Data can then be graphed, printed and exported to other applications for detailed analysis. Supplied with a CR1620 battery.

The EL-USB-LITE is suitable for a wide variety of applications. These include:

- Transportation
- Food & Drink
- Building and Site Monitoring
- Pharmaceutical Fridge Monitoring

General Description	This standalone data logger measures temperature every 30 minutes over a -10 to +50°C (+14 to +122°F) range.
Type	Low Cost Temperature Data Logger with USB
Accuracy	±2.5°C / ±4.5°F
Input / Ranges	Measurement Range: -10 to +50°C / +14 to +122°F
Power Consumption	Battery Life: 1 month
Power Supply	CR1620 battery (included)
Maintenance	Logging Rate: Every 30 minutes

EL-USB-TC   Thermocouple Temperature K, J & T Type Data Logger with USB

XE-4050-001

This standalone data logger measures over 32,000 readings from inter-changeable J, K or T type thermocouples. Supplied with a K Type probe, its measurement range out of the box is from 0 to 200°C (32 to 392°F).

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

Supplied with ½ AA battery, K-type probe and wall mount clip.

The EL-USB-TC is suitable for a wide variety of applications particularly those which require a wide temperature measurement range. These include:

- Food & Drink
- Building and Site Monitoring
- Laboratory
- Oven Monitoring
- Dry Ice Shipments

General Description	This standalone data logger measures over 32,000 readings from inter-changeable J, K or T type thermocouples. Supplied with a K Type probe.
Type	Thermocouple Temperature K, J & T Type Data Logger with USB
Thermocouple Type	K, J, T
Accuracy	±1°C / ±2°F (data logger only - thermocouple error not included)
Readings	32,510
Input / Ranges	Measurement Range K type (provided): 0 to 200°C (32 to 392°F) Measurement Range K type: -200 to +1350°C / -328 to +2462°F Measurement Range J type: -200 to +1190°C / -328 to +2174°F Measurement Range T type: -200 to +390°C / -328 to +734°F
Power Consumption	Battery Life: 2 Years
Power Supply	Supplied with ½ AA battery

EL-USB Loggers

EL-USB-TC-LCD K, J & T Type Thermocouple USB Data Logger with LCD

XE-3971-001

K, J, and T-type Thermocouple Temperature USB Data Logger with LCD

- -200 to +1350°C K-type range
- -200 to +1190°C J-type range
- -200 to +390°C T-type range
- Immediate, delayed and push-to-start mode
- High contrast LCD shows last, high and low stored readings

This standalone data logger measures and stores over 32,000 temperature readings from either a K, J or T type thermocouple.

The thermocouple is attached via the thermocouple socket at the base of the unit. The user can easily set up the logger and view downloaded data by plugging the module into a PC's USB port and using the supplied software. 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 1 year.

General Description	This standalone data logger measures and stores more than 16,000 temperature readings over a -35 to +80°C (-31 to +176°F) range with a resolution of 0.5°C (0.5°F).
Accuracy	0.5°C typical (see graph on page 3 of data sheet)
Dimensions	120 x 25 x 22mm (4.72 x 0.98 x 0.86")
Max. Temperature	+80°C (176°F)
Min. Temperature	-35°C (-31°F)
Power Consumption	Battery life: 2 years (at 25°C and 1 minute logging rate, LCD on)
Power Supply	BAT 3V6 1/2AA (included)

EL-USB Loggers

EL-USB-TP-LCD Thermistor Probe Data Logger with LCD

XE-4052-001

This standalone data logger records and displays over 32,000 temperature readings from the supplied thermistor probe. The EL-USB-TP-LCD features an LCD and push-button which allow the user to cycle through the most recent, highest and lowest stored readings.

The EL-WIN-USB software enables quick configuration and data download via the USB port available to download for free. Supplied with thermistor probe and long-life lithium battery.

The EL-USB-TP-LCD is suitable for a wide variety of applications. These include:

- Medical
- Food

General Description	This standalone data logger records and displays over 32,000 temperature readings from the supplied thermistor probe.
Type	Thermistor Probe Data Logger with LCD
Accuracy	±0.6°C (-5 to 40°C)
Readings	32,510
Input / Ranges	Measurement range: -40 to 125°C (-40 to 257°F)
Operating Temperature	-35 to +80°C (-31 to +176°F) (data logger only)
Power Consumption	Battery Life: 2 Years
Power Supply	Long-life lithium battery (included)
Maintenance	Logging Rate: User selectable between 1 second and 12 hours

EL-USB Loggers