EL-USB-LITE
Low Cost USB Temperature Data Logger

FEATURES

- -10°C to +50°C (+14 to +122°F) measurement range
- 30 minute sample rate
- USB interface for set-up and data download
- User-programmable alarm thresholds
- Status indication via red and green LEDs
- Supplied with replaceable internal lithium battery and Windows control software

This low cost data logger measures and stores up to 4,080 temperature readings over a -10 to +50°C (+14 to +122°F) measurement range with a fixed 30 minute sample rate and a battery life of 1 month continuous use.

Press the button and a red/green LED indicates whether a preset alarm level has been recorded. The data logger is configured and the stored data downloaded by plugging the data logger into a PC's USB port and running the purpose designed control software under Windows 2000, XP, Vista or 7. The downloaded data can be graphed, printed and exported to other applications. The latest version of the control software may be downloaded free of charge from: www.lascarelectronics.com. A battery is fitted; to begin using the data logger, remove the tab.

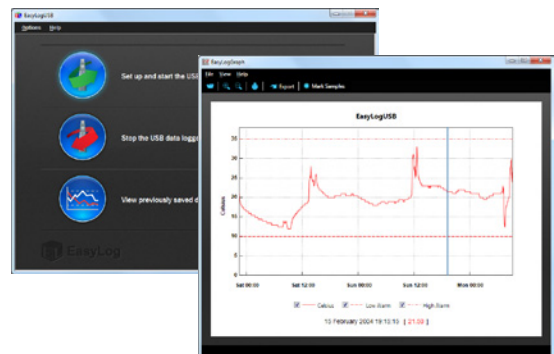| Specifications	Minimum	Typical	Maximum	Unit
Measurement range	-10 (+14)		+50 (+122)	°C (°F)
Internal resolution		1(2)		°C (°F)
Accuracy (overall error)			±2.5 (±4.5)	°C (°F)
Logging rate	every 30 minutes			
Operating temperature range	-10 (+14)		+50 (+122)	°C (°F)
Battery Life (CR1620 Lithium coin cell)	1			Month

EL-WIN-USB (CONTROL SOFTWARE)

Lascar's EasyLog USB control software is supplied free of charge with each data logger. Easy to install and use, the control software runs under Windows 2000, XP, Vista & 7. The software is used to set-up the data logger as well as download, graph and export data to Excel.

The software allows the following parameters to be configured:

- Logger name
- °C, °F
- High and low alarm levels
- Start time and start date

The latest version of the control software may be downloaded free of charge from
www.lascarelectronics.com

EL-USB-LITE
Low Cost USB Temperature Data Logger

LED FLASHING MODES

EL-USB-LITE features a bi-colour LED to indicate the status of the data logger. To save power, the status indication only operates when the push button is pressed for a short while.

Red/Green LED

	Green single flash The data logger is currently logging. No alarm on the channel.
	Red single flash The data logger is currently logging. Low alarm on the channel.
	Red double flash The data logger is currently logging. High alarm on the channel.

DIMENSIONS

All dimensions in mm (inches)

18.5 (0.72)

68.0 (2.67)

BATTERY REPLACEMENT

We recommend that you replace the battery every 1 month, or prior to logging critical data. The EL-USB-LITE does not lose its stored readings when the battery is discharged or when the battery is replaced; however, the data logging process will be stopped and cannot be re-started until the battery has been replaced and the logged data has been downloaded to a PC.

For maximum logging life, only use Maxell or Panasonic CR1620 lithium batteries. Before replacing the battery, remove the EL-USB-LITE from the PC.

Note:
Leaving the EL-USB-LITE plugged into the USB port for longer than necessarywill cause some of the battery capacity to be lost.

WARNING

Handle lithium batteries carefully. Dispose of in accordance with local regulations.

EasyLog   www.lascarelectronics.com   **LASCAR** electronics

EL-USB-LITE
Low Cost USB Temperature Data Logger

THE EASYLOG USB RANGE

Each EL-USB data logger features the direct-to-USB connection and easy-to-use functionality that the range is known for. The range comprises of the following data loggers:

Part No	Function	Range	Accuracy (overall error) Typ.	Max.	Readings	Battery	Battery Life*
EL-USB-1	Temperature	-35 to +80°C (-31 to +176°F)	±1°C (±2°F)		16,382	3.6V ½AA	1 Year
EL-USB-1-LCD	Temperature with LCD	-35 to +80°C (-31 to +176°F)	±0.5°C (±1°F)	±1.5°C (±3°F)	16,382	3.6V ½AA	1 Year
EL-USB-1-PRO	High Temperature	-40 to +125°C (-40 to +257°F)	±0.2°C (±0.4°F)	±0.5°C (±1°F)	32,510	3.6V ⅔AA	3 years
EL-USB-1-RCG	Temperature with rechargeable battery	-20 to +60°C (-4 to +140°F)	±1°C (±2°F)		32,510	Lithium Ion	1 month (rechargeable)
EL-USB-2	Temperature, humidity & dew point	-35 to +80°C (-31 to +176°F) 0 to 100%RH	±0.5°C (±1°F) ±3%RH	±2°C (±4°F) ±6.0%RH	16,382	3.6V ½AA	1 year
EL-USB-2+	Increased accuracy temperature, humidity & dew point	-35 to +80°C (-31 to +176°F) 0 to 100%RH	±0.3°C (±0.6°F) ±2.0%RH	±1.5°C (±3°F) ±4.0%RH	16,382	3.6V ½AA	1 year
EL-USB-2-LCD	Temperature, humidity & dew point with LCD	-35 to +80°C (-31 to +176°F) 0 to 100%RH	±0.5°C (±1°F) ±3.0%RH	±2°C (±4°F) ±6.0%RH	16,379	3.6V ½AA	1 year
EL-USB-2-LCD+	Increased accuracy temperature, humidity & dew point with LCD	-35 to +80°C (-31 to +176°F) 0 to 100%RH	±0.3°C (±0.6°F) ±2.0%RH	±1.5°C (±3°F) ±4.0%RH	16,379	3.6V ½AA	1 year
EL-USB-3	Voltage	0 to 30V d.c.	±1%		32,510	3.6V ½AA	1 year
EL-USB-4	Current loop	4 to 20mA	±1%		32,510	3.6V ½AA	1 year
EL-USB-5	Counter, Event & State	N/A		±3 secs/24 hrs	32,510	3.6V ½AA	1 year
EL-USB-TC	Thermocouple (J, K and T-type) K-type probe included	-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)	±1°C (±2°F)		32,510	3.6V ½AA	6 months
EL-USB-TC-LCD	Thermocouple with LCD (J, K and T-type) K-type probe included	-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)	±1°C (±2°F)		32,510	3.6V ½AA	6 months
EL-USB-CO	Carbon monoxide	0 to 1000ppm **NOT A LIFE SAVING DEVICE**	±6ppm		32,510	3.6V ½AA	3 months
EL-USB-CO300	Carbon monoxide	0 to 300ppm **NOT A LIFE SAVING DEVICE**	±4ppm		32,510	3.6V ½AA	3 months
EL-USB-LITE	Low cost temperature	-10°C to +50°C (+14 to +122°F)	±1°C (±2°F)		4,080	CR1620 Lithium coin cell	1 month
EL-USB-RT	Real-time temperature & humidity monitor	-20 to +70°C (-4 to +158°F)	±1.5°C (±3°F) ±4.5%RH		7 days	N/A	N/A

*Depending on logging rate, ambient temperature, and use of alarm LED

EasyLog   www.lascarelectronics.com   **LASCAR electronics**