EL-USB-LITE

Low Cost USB Temperature Data Logger

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 breached.
The data logger is configured and the stored data downloaded by plugging the module into a PC's USB port and running the purpose designed control software under Windows 98, 2000, XP and Vista (32-bit). 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 already fitted. To start logging, pull out the tab.

FEATURES

- -10°C to +50°C (+14 to +122°F) Measurement Range
- 30 Minute Sample Rate
- 1 Month Battery Life
- Red/Green Alarm Status Indication via Button
- USB Interface for Set-up and Data Download
- 2 User-programmable Alarm Thresholds
- Dimensions : 68 x 18 x 9.4mm (2.7" x 0.7" x 0.4")



WINDOWS CONTROL SOFTWARE

Easy to install and use, the control software runs under Windows 98, 2000 and XP (Home and Professional Editions)* and Vista (32-bit). It allows the user to set up and download any EL-USB-Lite. The latest version of the control software may be downloaded from *www.lascarelectronics.com*.

DATA LOGGER SET-UPS

- Logger Name
- °C, °F
- High and Low Alarm Levels
- Start Time and Start Date

ORDERING INFORMATION

	Stock Number
1-off Data Logger, Battery, Software on CD	EL-USB-LITE
Replacement Batteries (5 pack)	BATT-3VX5

SPECIFICATIONS

Specification	Min.	Typ.	Max.	Unit
Measurement range	-10 (+14)		+50 (+122)	°C (°F)
Internal resolution		1 (2)		°C (°F)
Accuracy (overall error)			±2.5 (±4.5)	°C (°F)
Operating temperature range	-10 (+14)		+50 (+122)	°C (°F)
Logging rate	every 30 minutes			
Battery Life (CR1620 Lithium coin cell)	1			Month

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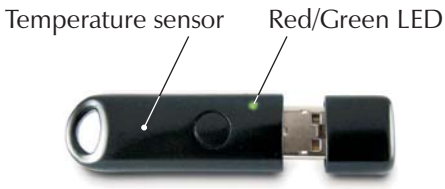
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LED FLASHING MODES

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.

The number of flashes and colours indicates :

(Single green flash)	The channel is logging, no alarm
(Single red flash)	The channel is logging, low alarm
(Double red flash)	The channel is logging, high alarm



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; the data logging process will however be stopped and cannot be re-started until the battery has been replaced and the logged data has been downloaded to 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 necessary will cause some of the battery capacity to be lost.

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