

# User's Guide

Instruction Sheet

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**OM-EL-USB-LITE**

**TEMPERATURE DATA LOGGER**



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TEL: +420 (0)59 6311899 FAX: +420 (0)59 6311114  
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**France:**

11, rue Jacques Cartier, 78280 Guyancourt, France  
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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

**WARNING:** These products are not designed for use in, and should not be used for, human applications.

# OM-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.omega.com](http://www.omega.com). A battery is fitted; to begin using the data logger, remove the tab.



### ORDERING INFORMATION

Standard Data Logger (Data Logger, Software on CD, Battery)	OM-EL-USB-LITE
Replacement Battery Pack	OM-EL-BATT-LITE

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

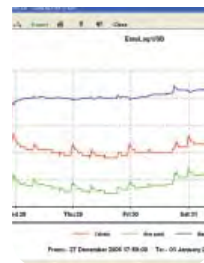
### WINDOWS CONTROL SOFTWARE

Omega'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 (Home and Professional Editions), 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.omega.com](http://www.omega.com)




[www.omega.com](http://www.omega.com)

# OM-EL-USB-LITE

## Low Cost USB Temperature Data Logger

### LED FLASHING MODES

OM-EL-USB-LITE features a bi-color 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.

 <p>Red/Green LED</p>	<p><b>Green single flash</b> The data logger is currently logging. No alarm on the channel.</p> <p><b>Red single flash</b> The data logger is currently logging. Low alarm on the channel.</p> <p><b>Red double flash</b> The data logger is currently logging. High alarm on the channel.</p>
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### DIMENSIONS

All dimensions in mm (inches)



### BATTERY REPLACEMENT

We recommend that you replace the battery every 1 month, or prior to logging critical data. The OM-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 OM-EL-USB-LITE from the PC.

**Note:**

Leaving the OM-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.

## WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

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2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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