NEW ®

Temperature Data Logger with LCD Display

OM-EL-USB-1-LCD shown actual size.

OM-EL-USB-1-LCD

1 YEAR WARRANTY ℂ𝔼

Free Software

- ✔ **-35 to 80°C (-31 to 176°F) Measurement Range**
- ✔ **USB Interface for Set-Up and Data Download**
- ✔ **User-Programmable Alarm Thresholds**
- ✔ **Status Indication Via Red, Green and Orange LEDs**
- ✔ **High Contrast LCD with 2½ Digit Temperature Display Function**
- ✔ **Immediate, Delayed and Push-To-Start Logging**
- ✔ **Replaceable Internal Lithium Battery and Windows® Control Software Included**

This standalone data logger measures and stores up to 16,378 temperature readings over a -35 to 80°C (-31 to 176°F) range.

The user can easily set-up the logging rate and start-time, and download the stored data by plugging the data logger into a PC's USB port and running the purpose designed software under Windows XP/VISTA/7 (32- and 64-bit). Data can then be graphed, printed and exported to other applications. The high contrast LCD can show a variety of temperature information.

At the touch of a button, the user can cycle between the current, maximum and minimum stored temperatures. The data logger is supplied complete with a long-life lithium battery, which can typically allow logging for up to 1 year. The data logger is protected against moisture to IP67 standard when the protective cap is fitted.

The user can easily set up the data logger and download logged data by plugging the unit into a PCs USB port and using the supplied Windows control software.

Easy to install and use, the control software runs under Windows XP/VISTA/7 (32- and 64-bit). 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
- Logging rate (10 s, 1 m, 5 m, 30 m, 1 hr, 6 hr, 12 hr)
- High and low alarms
- Immediate, delayed and push-to-start logging
- Display off, on for 30 seconds after button press, or permanently on
- Data rollover (allows unlimited logging periods by overwriting the oldest data when the memory is full)

Specifications

TEMPERATURE

Range: -35 to 80ºC (-31 to 176ºF)

Repeatability: ±0.5ºC (±0.2ºF)

Resolution: 0.5ºC (1.0ºF)

Accuracy:
  Typical: ±0.5ºC (±1.0ºF)
  Max: ±1.5ºC (±3.0ºF)

GENERAL

Memory:
16,378 temperature readings

Logging Interval: 10 sec to 12 hrs

Software: Windows XP/VISTA/7 (32- and 64-bit)

Operating Temperature Range: -35 to 80ºC (-31 to 176ºF), at temperatures below -20ºC (-4ºF) the LCD display will exhibit slower response times of approx 10 sec

Alarm Thresholds: High/low alarm thresholds for temperature selectable in software

Start Date/Time: Selectable in software

Status Indicators (LEDs): Red, green and orange

Power: 1/2 AA 3.6V lithium battery (included)

Battery Life: 1 year typical, @25ºC and 1 min logging rate (depends on sample rate, ambient temperature and use of LCD display)

Weight: 43 g (1.5 oz)

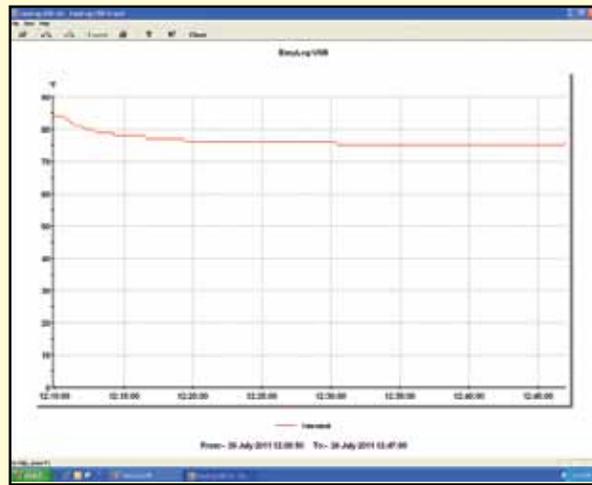**Dimensions:** 119.5 L x 25.3 W x 2.21 mm D (4.7 x 1.04 x 0.87")
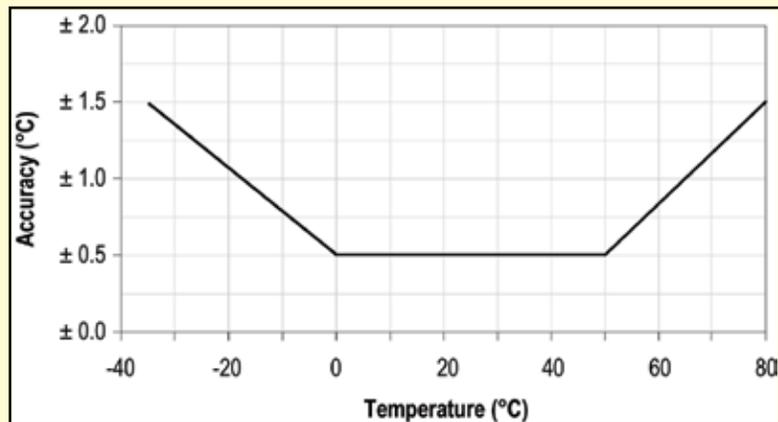

Protective cap (included).

Mounting bracket (included).

Windows software setup screen.

Windows software shows data in graphical format.

Measurement Accuracy vs Operating Temperature

To Order *Visit omega.com/om-el-usb-1-lcd for Pricing and Details*

Model No.	Description
OM-EL-USB-1-LCD	Temperature data logger with LCD display
OM-EL-BATT	Replacement 3.6V lithium battery

Comes complete with Windows software on CD, protective cap, mounting bracket and 3.6V lithium battery.
***Ordering Example: OM-EL-USB-1-LCD** temperature data logger with LCD display.*