High Temperature Data Logger with USB Interface

OM-EL-USB-1-PRO-A

1 YEAR WARRANTY

- -40 to 125°C (-40 to 257°F) Measurement Range
- 316 SS Case–NEMA 4X (IP67) Rated
- USB Interface for Easy Setup and Data Download
- Immediate or Delayed Start Logging
- Includes Replaceable High Capacity Lithium Battery and Windows® Control Software

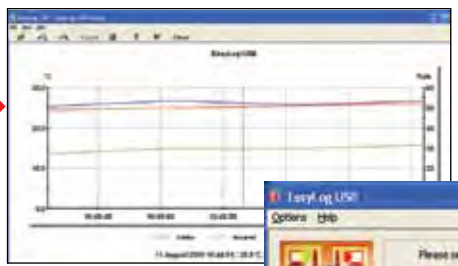
OM-EL-USB-1-PRO-A shown smaller than actual size.

The OM-EL-USB-1-PRO-A data logger measures and stores up to 32,510 temperature readings over a -40 to 125°C (-40 to 257°F) temperature range. The 316 SS case is corrosion, impact and water resistant to NEMA 4X (IP67) standards. The unit is powered by a ⅔ AA lithium battery which allows logging for up to 3 years.

The user can easily set up the data logger and download the stored data by plugging the module straight into a PCs USB port and running the easy-to-use Windows software.

Software selectable setup parameters include logging rate (1 sec, 10 sec, 1 min, 5 min, 30 min, 1 hr, 6 hr, 12 hr), start-date/time, and desired temperature units (°C or °F). Data can then be graphed, printed and exported to other applications such as Excel. The data logger comes complete with a high capacity long-life lithium battery.

Windows software shows data in graphical format.



Windows software setup screen.

Specifications

Temperature Range:
-40 to 125°C (-40 to 257°F)

Resolution: 0.1°C (0.2°F)

Accuracy:
Typical (0 to 40°C):
±0.2°C (±0.4°F)
Max (-40 to 125°C):
±0.5°C (±1.0°F)

Temperature Units: °C or °F selectable in software

Memory: 32,510 readings

Logging Interval: 1 sec, 10 sec, 1 min, 5 min, 30 min, 1 hr, 6 hr, 12 hr (selectable in software)

Start Date/Time:
Selectable in software

Operating Temperature:
-40 to 125°C (-40 to 257°F)

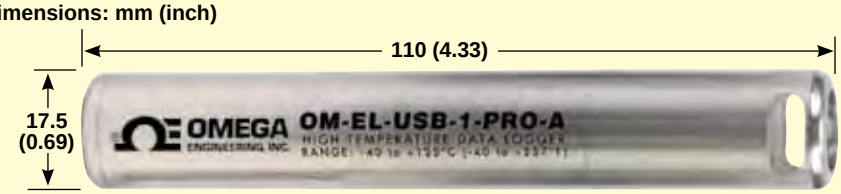
Software: Windows 10/11

Power: ⅔ AA 3.6V lithium battery (included)

Battery Life: 1 yr min at -20°C and 10 sec logging interval, 2 yrs typical at 80°C and 10 sec logging interval, 3 yrs maximum

Weight: 128 g (4.5 oz)

Dimensions: mm (inch)



OMEGA CARE Extended Warranty Program

OMEGACARE℠ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE℠ covers parts, labor and equivalent loaners.

To Order

Model No.	Description
OM-EL-USB-1-PRO-A	High temperature data logger with USB interface
OM-EL-USB-1-PRO-BATT	Replacement ⅔ AA 3.6V lithium battery

Comes complete with Windows software, USB cable, and ⅔ AA 3.6V lithium battery.
***Ordering Example: OM-EL-USB-1-PRO-A** high temperature data logger with USB interface and **OCW-1** OMEGACARE℠ extended warranty adds 1-year to standard 1-year warranty.*