

Thermocouple Data Logger with USB Interface

OM-EL-USB-TC



- ✓ Plugs Directly Into USB Port for Easy Setup and Data Download—No USB Cable Required
- ✓ Accepts Type J, K or T Thermocouples
- ✓ 2 User-Programmable Alarm Thresholds
- ✓ Bright Red, Green and Orange LED Indication
- ✓ Low Battery Warning

The OM-EL-USB-TC data logger measures and stores over 32,000 temperature readings from either a Type J, Type K or Type T thermocouple which plugs into a miniature female thermocouple receptacle at the base of the unit. The user can easily set up the initial data logging parameters including thermocouple type, logging rate, start-time, high/low alarm settings, logging mode and desired temperature units (°C or °F) and also download the stored data by plugging the module straight into a PC's USB port and running the easy-to-use Windows software.

Downloaded data can then be graphed, printed and exported to other applications such as Excel. The data logger is supplied complete with a long-life lithium battery. Data logger status is indicated by flashing red, green and orange LEDs.

Specifications

Temperature Measurement Range:

Type J: -130 to 900°C (-202 to 1652°F)

Type K: -200 to 1300°C (-328 to 2372°F)

Type T: -200 to 350°C (-328 to 662°F)

Resolution: 0.5°C (1°F)

Accuracy: ±1.0°C (±2.0°F)

Thermocouple Connection: Female subminiature thermocouple connector

Temperature Units: °C or °F selectable in software

Memory: 32,000 readings

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

High/Low Alarms: Selectable in software

Start Date/Time: Selectable in software

Operating Temperature Range: -10 to 40°C (-14 to 104°F)

Visual Indicators (LEDs): 2 LEDs; the first LED flashes orange to indicate a problem condition with the data logger such as low battery; the second LED indicates alarm status and flashes green (temperature within limits) or red (temperature out of limits)

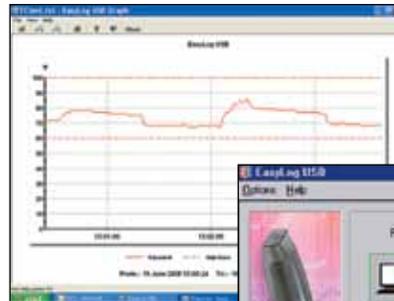
Software: Windows® 2000/XP/VISTA/7 (32- and 64-bit)

Power: ½ AA 3.6 V lithium battery (included)

Battery Life: 6 months (at 25°C and 1 minute logging interval)

Weight: 43 g (1.5 oz)

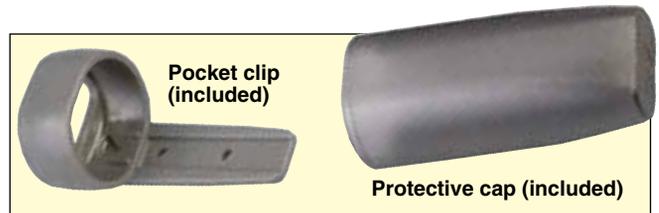
Dimensions: See drawing above, right



Windows Software shows data in graphical format

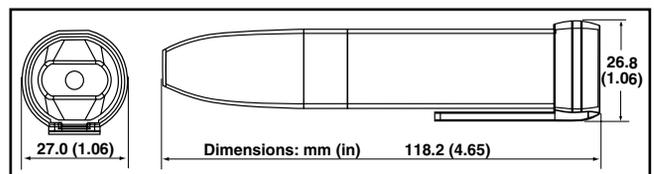
OM-EL-USB-TC, shown smaller than actual size.

Windows Software setup screen



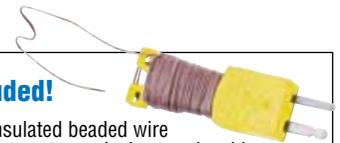
Pocket clip (included)

Protective cap (included)



FREE Thermocouple Included!

Includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. Order a Spare! Model No. SC-GG-K-30-36.



To Order

Model No.	Description
OM-EL-USB-TC	Thermocouple data logger with USB interface
OM-EL-BATT	Replacement 3.6 V lithium battery

Comes complete with Windows software, operator's manual on CD-ROM, protective cap, pocket clip, Type K thermocouple and 3.6 V lithium battery.

Ordering Example: OM-EL-USB-TC, thermocouple data logger with USB interface and OM-EL-BATT, replacement battery.