Thermocouple Data Logger with USB Interface

OM-EL-USB-TC

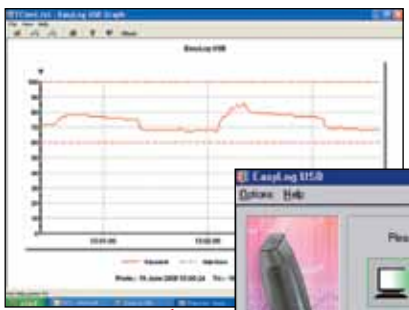
1 YEAR WARRANTY

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

- **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**

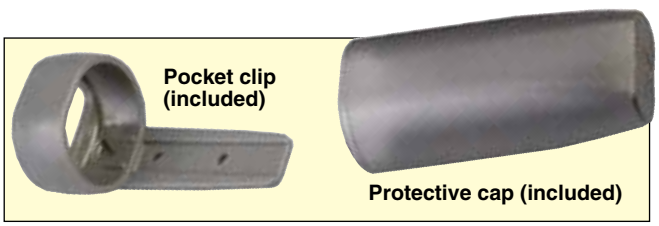
The OM-EL-USB-TC data logger measures and stores over 32,000 temperature readings from either a Type J, Type K or Type T thermocouple which plugs into a miniature female thermocouple receptacle at the base of the unit. The user can easily set up the initial data logging parameters including thermocouple 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.

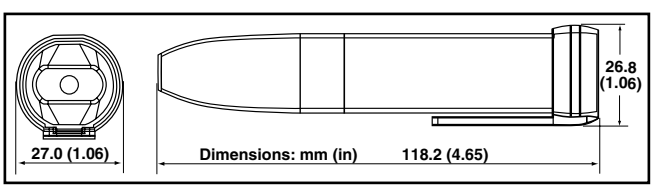
Downloaded data can then be graphed, printed and exported to other applications such as Excel. The data logger is supplied complete with a long-life lithium battery. Data logger status is indicated by flashing red, green and orange LEDs.

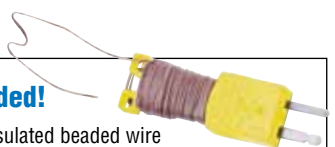


Windows Software shows data in graphical format

Windows Software setup screen







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.**

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/7/10/11 (32-bit 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

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.*