

Thermocouple Data Logger with LCD Display and USB Interface



OM-EL-USB-TC-LCD



- ✓ Plug Directly Into USB Port for Easy Setup and Data Download—No USB Cable Required
- ✓ High Contrast LCD with 4-Digit Temperature Indication
- ✓ Accepts Type J, K or T Thermocouples
- ✓ 2 User-Programmable Alarm Thresholds
- ✓ Status Indication Via Red and Green LEDs
- ✓ Immediate, Delayed and Push-to-Start Logging
- ✓ Window® Software Included Free

OM-EL-USB-TC-LCD, temperature data logger with LCD display and USB interface shown actual size.

The OM-EL-USB-TC-LCD data logger measures and stores up to 32,510 temperature readings from either a Type J, K or T thermocouple which plugs into a miniature female thermocouple receptacle at the base of the unit.

The data logger plugs directly into a PC's USB port, no USB cable is required. Three different functions are available on the display, most recent logged temperature, maximum logged temperature and minimum logged temperature.

The push button on the data logger is used to cycle through these functions. Data logger logging and alarm status is indicated by flashing red and green LEDs.

Using the included Windows software, 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), select the display mode which includes 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) and also download the stored data. The downloaded data can then be graphed, printed and exported to other applications such as Excel.

Specifications

Temperature Measurement Range:

Type J: -200 to 1190°C (-328 to 2174°F)

Type K: -200 to 1350°C (-328 to 2462°F)

Type T: -200 to 390°C (-328 to 734°F)

Resolution (Internal and Displayed): 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: 32,510 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 (2 LEDs): The first LED flashes red to indicate that the data logger is in an alarm condition (when temperature has exceeded a high or low level alarm limit); the second LED flashes green to indicate the data logger is not in an alarm condition

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

Power: ½ AA 3.6V lithium battery (included)

Battery Life: 6 months (at 25°C, dependent on sample rate and use of LCD)

Weight: 114 g (4 oz)

Dimensions: See drawing on next page



Windows® Software shows data in graphical format

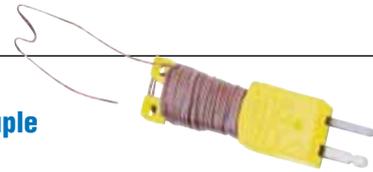


Windows® Software setup screen

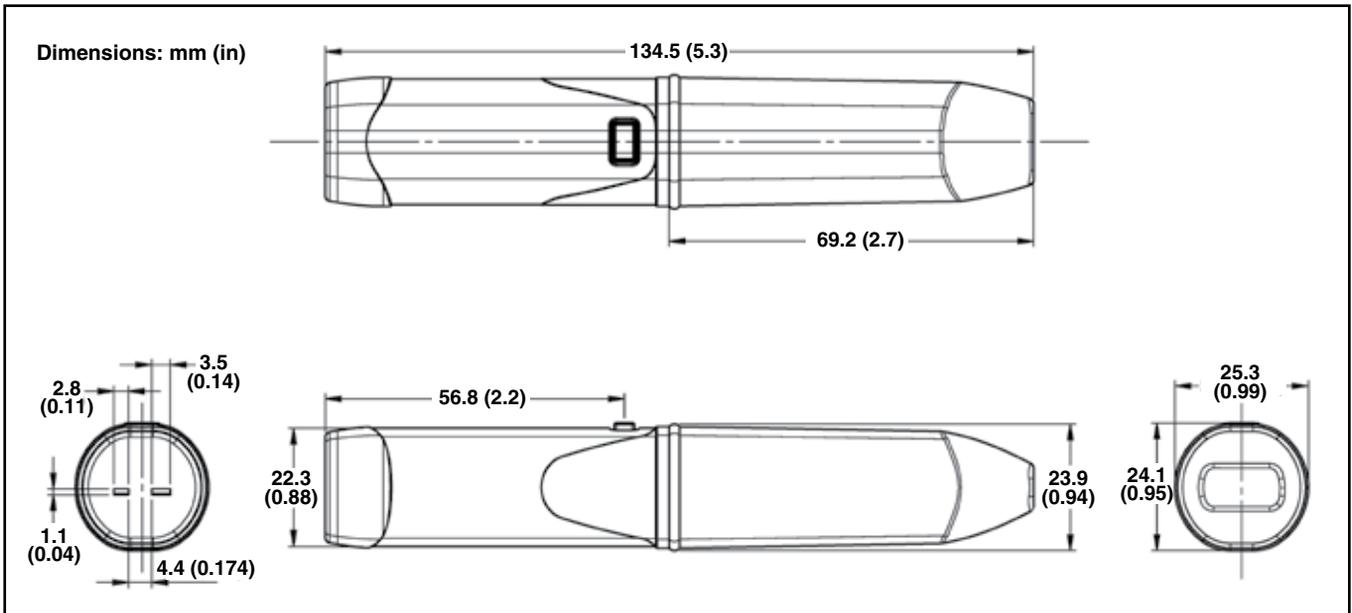


OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

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-LCD	Thermocouple data logger with LCD display and USB interface
OM-EL-BATT	Replacement 3.6V lithium battery

Comes complete with Windows software, operator's manual on CD-ROM, protective cap, 3.6V lithium battery and Type K thermocouple. **Ordering Example:** OM-EL-USB-TC-LCD, thermocouple data logger with LCD display and USB interface, OCW-3, OMEGACARESM 3-year extended warranty (adds 3 years to standard 1 year warranty), and OM-EL-BATT replacement battery.