

Handheld Data Logger Thermometer with Graphic Display

OM-EL-ENVIROPAD-TC



- ✓ Compatible with Thermocouple Types J, K, N and T
- ✓ Two Modes: Data Logging or Spot Measurement
- ✓ 71 mm (2.8") Color Touch Screen Display
- ✓ Data Downloadable via USB Connection to PC
- ✓ Internal Rechargeable Lithium Polymer Battery
- ✓ Date and Time Function
- ✓ High and Low Audible Alarms
- ✓ Removable Protective Boot for Increased Durability (Sold Separately)

This robust easy to use handheld device takes and records temperature readings via the attached thermocouple probe. A large touch screen, color display indicates temperature, maximum and minimum readings and will produce a graph of the data.

The OM-EL-ENVIROPAD-TC has two functions-Data Logging and Spot Measurement;

1. When in Data Logging mode, the unit can be set-up and left to take temperature readings at pre-determined intervals for a desired length of time. All readings are saved to a file with a date and time stamp in CSV format for up to 65,536 readings.
2. When in Spot Measurement mode the unit can be used as a thermometer to capture one-off temperature readings displayed on screen. This can be repeated for up to 65,536 readings per file.

This data can then be downloaded to PC via a USB connection and opened with Microsoft Excel® or our EasyLog software which is available for free on our website.

The unit is compatible with any J, K, N and T Type thermocouple probes. The protective boot can be removed for cleaning.

Specifications

Temperature Measurement Range:

- Type J:** -100 to 1190°C (-148 to 2174°F)
- Type K:** -100 to 1350°C (-148 to 2462°F)
- Type T:** -100 to 390°C (-148 to 734°F)
- Type N:** -100 to 1300°C (-148 to 2372°F)

Resolution: 0.1°C (0.1°F)

Accuracy: ±(0.2°C + 0.1% rdg)

Thermocouple Connection: Female subminiature thermocouple connector

Temperature Units: °C or °F selectable

Display: Color TFT touch-screen

Operation: All parameters configurable via touch screen display; single front panel on/off push button

Memory: 65536 readings (per recording)

Storage Capacity: 100 files maximum



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Logging Interval: 1 second, 10 second, 30 second, 1 minute, 5 minute, 30 minute, 1 hour, 6 hour, 12 hour

High/Low Alarms: User-selectable alarm thresholds

Start Date/Time (Data Logging Mode): Immediate or delayed start

PC Connection: Micro-USB via (included) 0.5 m (1.5') USB cable

Software: No special software required; unit appears as a mass storage device when connected to PC. Compatible with Windows XP/VISTA/7 (32- and 64-bit)

Power: Internal rechargeable (via USB connection) lithium polymer battery (included)

Battery Life (On Single Charge): 24 hours typical; 8 hours continuous (depends on recording settings)

USB Supply Voltage: 4.5 Vdc minimum, 5.5 Vdc maximum

Operating Temperature Range: 0 to 50°C (32 to 122°F)

Weight: 201 g (7.1 oz)

Dimensions: 107 H x 68 W x 19 mm D (4.21 x 2.67 x 0.75")

Thermocouple Included!

This model includes a free 1 m (39") Type K insulated beaded wire thermocouple.



OM-EL-ENVIROPAD-TC shown smaller than actual size.

The OM-EL-ENVIROPAD-TC is a hand-held instrument which can be used with any compatible thermocouple while being battery-powered. The instrument can also be used to take measurements while being permanently powered from an ac powered USB adaptor. In this case the use of an ungrounded thermocouple probe such as the KHSS-14U-RSC-12 is suggested to avoid any potential measurement instability caused by ground loops.

OM-EL-ENVIROPAD-TC shown with USB cable (included) and KHSS-14U-RSC-12 thermocouple probe (sold separately).



Handle is permanently molded to probe sheath, includes cable and miniature connector.

0.3 m (1') retractable cable expands to 1.5 m (5')

*Sold separately

Utility Thermocouple Handle Probes* 304 SS or Inconel® Sheath

KHSS-14U-RSC-12

Available as



- ✓ Molded Handle Rated to 220°C (425°F)
- ✓ Retractable Cable with Superior Memory Expands to 1.5 m (5')
- ✓ Subminiature Connector for Use with Handheld Thermometers
- ✓ 300, 450 and 600 mm (12, 18 and 24") Lengths Standard—Custom Lengths Available
- ✓ Companion RTD Probe, Type PR-16
- ✓ 304, 310, 316, 321 SS, Inconel and Super OMEGACLAD® XL Sheaths



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.

To Order

Model No.	Description
OM-EL-ENVIROPAD-TC	Handheld data logger thermometer with graphic display
OM-EL-BOOT	Protective rubber boot for OM-EL-ENVIROPAD-TC

Comes complete with 0.5 m (1.5') USB cable, 1 m (39") Type K insulated beaded wire thermocouple, and rechargeable battery.

Ordering Example: OM-EL-ENVIROPAD-TC handheld data logger thermometer with graphic display and OCW-1 OMEGACARESM extends standard 1-year warranty to a total of 2 years, and OM-EL-BOOT protective rubber boot for OM-EL-ENVIROPAD-TC.