

EL-EnviroPad-TC

Thermometer with Inbuilt Data Logging & Graphing

ORDERING INFORMATION

Thermometer with
Inbuilt Data Logging
& Graphing

EL-EnviroPad-TC

FEATURES

- Temperature °C or °F
- Supplied with K type probe
- Graphing
- Two modes: 'Data Logging' or 'Spot Measurement'
- High & Low Alarms
- 2.8" colour touch screen
- Compatible with thermocouples type J, K, N & T
- Downloadable data via USB
- Internal rechargeable lithium polymer battery
- Date & time function
- Sounder
- Removable protective boot for increased durability



This robust easy to use handheld device takes and records temperature readings via the attached k-type probe that is supplied with the unit. A large touch screen, colour display indicates temperature, maximum and minimum readings and will produce a graph of the data.

It has two functions 'Data Logging' and 'Spot Measurement':

1. When in 'Data Logging' mode it 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 from www.easylogusb.com.

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

Specifications	Minimum	Typical	Maximum	Unit
USB supply voltage	4.5v	-	5.5v	V d.c.
Internal resolution	-	0.1	-	°C
Data recording capacity (per recording)	-	-	65536	readings
Hand unit operating temperature range	0 (+32)	-	+50 (+122)	°C (°F)
Operating time (on a single charge)	8	24*	**	hrs
Displayable temperature (dependant on probe)	-100	-80 to +1200	+9999	°C
Storage capacity	-	-	100	files

* Typical use: 1min recording rate & power-save

** Depends on recording settings

Warning - Do not exceed operating temperatures



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HARDWARE

UNIT

- Battery: rechargeable via USB connection
- LCD: colour TFT touch-screen
- Integrated memory for logged data
- Single front-panel push-button used for power-switch. Single press=ON, press & hold=OFF.
- 1x thermocouple connector (top of unit)
- 1x micro USB Type B (bottom of unit) for connection of unit to PC via USB cable supplied.

PROBE

- Thermocouple probe: class 1 tolerance, 316 stainless steel probe
- Sealed to IP66
- Themocouple Type: K

Specifications	Minimum	Typical	Maximum	Unit
Probe Temperature Accuracy	-	+/- 1.5	-	°C
Probe Temperature Range*	-180	-	+1300	°C
Handle Temperature Range	-10	-	+125	°C

* Short term measurement

N.B. Any of the above hardware specifications may change without prior warning if new/suitable alternatives become available.

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DIMENSIONS

All dimensions in mm (inches)



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