

EL-EnviroPad-TC

Multi-function Thermometer with Inbuilt Data Logging & Graphing



FEATURES

- 2.8" colour resistive touch screen
- Selectable measurement scale °C / °F
- Can log over 65,500 readings per file
- Capacity to store up to 100 log files
- Supports J,K,N & T type thermocouple probes
- Supplied with a K type thermocouple probe (non-isolated)
- Probe protection rating IP66
- Immediate on screen Graphing
- Two modes: 'Data Logging' and 'Measurement'
- Temperature accuracy $\pm 1.5^{\circ}\text{C}$ (probe dependent)
- Temperature measurement range -270 to $+1300^{\circ}\text{C}$ (-454 to $+2372^{\circ}\text{F}$) (probe dependent)
- Configurable high and low alarms with indicator
- Maximum and Minimum readings
- Low battery indicator
- Selectable Time (12 or 24 hour) and Date (dd/mm/yyyy or mm/dd/yyyy) formats
- Selectable file extensions (.txt or .csv)
- Audible Alarms via built-in Sounder
- Power saving option while in 'Data Logging' mode
- 'Predefined Checklist' configuration via FREE EL-EP PC software
- Onboard memory stores all logged data
- Data downloadable via USB
- Internal rechargeable lithium polymer battery
- Removable protective boot for increased durability
- Supplied with micro USB lead for charging and data transfer

The EL-EnviroPad-TC is a robust, easy to use, multi-function handheld thermometer that takes and records temperature readings via the attached thermocouple probe.

The EL-EnviroPad-TC has two main functions: Data Logging and Measurement.

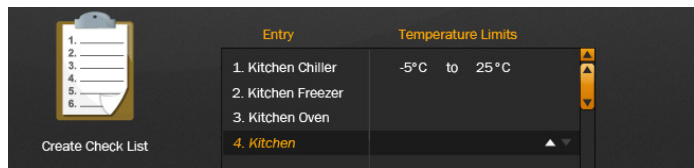
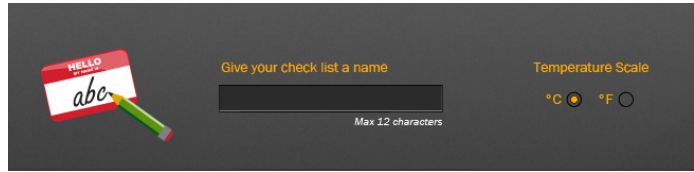
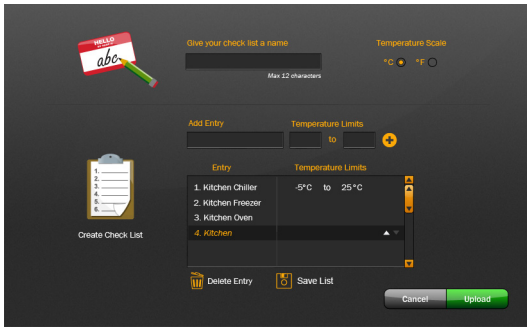
Data Logging Mode: When in 'Data Logging' mode the EL-EnviroPad-TC can be set-up and left to take temperature readings at predetermined intervals for any desired length of time. All data logging parameters are set using the EnviroPad's touchscreen interface, with custom settings such as: sample rate, high & low alarms and delayed start if you would rather begin logging at a later time or date.

All readings are saved to a file with a date and time stamp in .csv or .txt format for up to 65,536 readings.

Measurement Mode: When in 'Measurement' mode the EL-EnviroPad-TC can be used in two ways: 'Spot Checks' or 'Predefined Checklists'.

Spot Check Mode: When in 'Spot Checks' mode the EL-EnviroPad-TC can be used as a thermometer to manually capture temperature readings displayed on screen. A new measurement is taken each time the user presses the on-screen 'RECORD' button. Over 65,000 spot measurements can be recorded in each file.

Predefined Checklist Mode: When in 'Checklist' mode the EL-EnviroPad-TC can be used as an electronic checklist to do spot temperature checks on a predefined list of items. The checklists are configured using our FREE and simple EL-EP software allowing users to define a long list of checks with custom settings such as: checklist name, temperature scale, items to check and acceptable temperature limits.



Recorded data files can be downloaded to a PC via USB using the EL-EP software, where data can be viewed as text, in Excel®, or as a graph (depending on file format).

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
Battery life		8*		Hours
USB supply voltage	4.5	5	5.5	Vdc
Data recording capacity (per recording)			65,536	Readings
Storage capacity			100	Files
Logging Period (user configurable)	1 sec	30 min	12 hrs	
Operating temperature range (Hand Unit)	0 (+32)		+50 (+122)	°C (°F)
Temperature measurement resolution		0.1		°C
Temperature measurement range (probe dependant)	-270 (-454)		+1300 (+2372)	°C (°F)
Supplied Probe Specifications				
Temperature Accuracy		±1.5		°C
Temperature Range	-100 (-148)		+700 (+1292)	°C (°F)
Handle Temperature Range	-20 (+4)		+125 (+257)	°C (°F)

* Typical use: 1min recording rate & power-save
Warning - Do not exceed operating temperatures

WARNING

The EL-ENVIROPAD-TC is a hand-held instrument which can be freely used with any compatible thermocouple, whilst being battery-powered. The instrument can also be used to take measurements while being permanently powered from a mains-derived power supply (available separately). In these circumstances, we recommend the use of an ungrounded (isolated) thermocouple, to avoid measurement instability caused by Earth-loops.

PHYSICAL DIMENSIONS

All dimensions in millimetres (mm)



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