

# EnviroPad-TC

Multi-function Thermometer with Inbuilt Data Logging & Graphing



- Supports J, K, N & T type thermocouple probes
- Supplied with a K type thermocouple probe (non-isolated)
- Immediate on screen graphing
- Configurable high and low alarms with indicator
- Maximum and Minimum readings
- Low battery indicator
- Audible alarms via built-in sounder
- Removable protective case for increased durability (sold separately)

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

The EnviroPad-TC has three functions: Data Logging, Spot Measurement and CheckList.

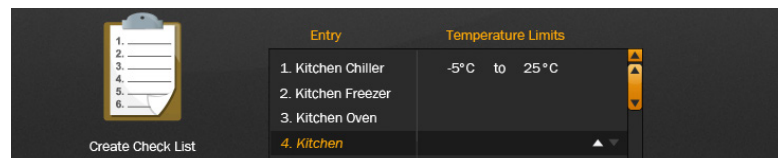
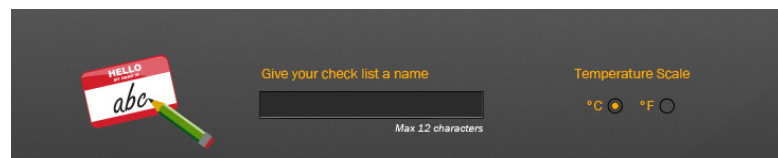
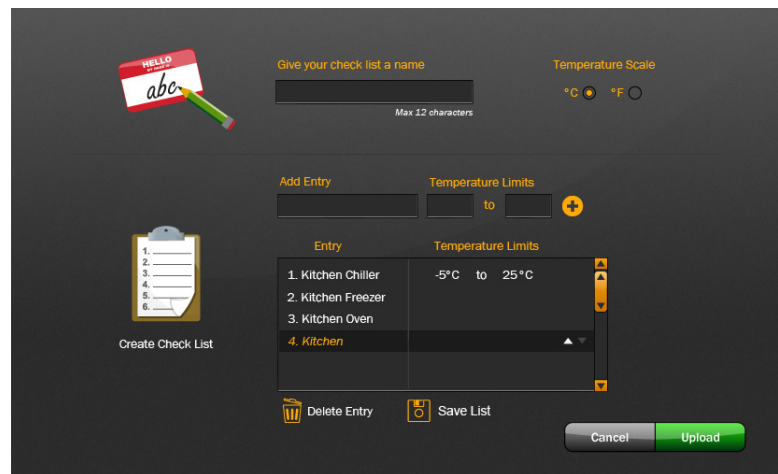
**Data Logging Mode:** When in 'Data Logging' mode the EnviroPad-TC can be set-up and left to take temperature readings at predetermined intervals for any desired length of time. All data logging parameters are set using the EnviroPad's touchscreen interface, with custom settings such as: sample rate, 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 65,500 readings.

**Spot Measurement Mode:** When in 'Spot Measurement' mode the 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.

**CheckList:** The 'CheckList' function allows users to create a unique list of items using free PC software. This function suits applications where the same items need to be regularly checked. Features include Min and Max temperatures, Pass/Fail criteria, and the attachment of comments to individual readings on the EnviroPad-TC. All tabular data displayed in the software can be exported in PDF or CSV format.

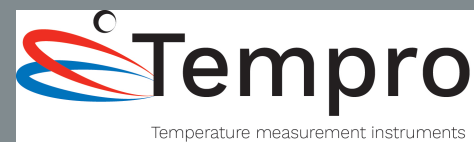
Recorded data files can be downloaded to a PC via USB using the EL-EP software, where data can be viewed as text, in Excel®, or as a graph (depending on file format).



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

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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	Minimum	Typical	Maximum	Unit
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 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)

