

Thermal Profiling – “Ultra Slim”



A new dimension in temperature profiling

With the emergence of lead free processes, thermal profiling has never been so critical. The UltraSlim range of Thermal Profiling Systems will give you confidence and control over your reflow and wave soldering process. Existing or new lead free thermal profiles can be rapidly captured and analysed, allowing you to reduce production costs and machine downtime.

- Ease the move to lead free solder
- Make machine adjustments from an informed standpoint
- Reduce scrap and rework costs
- Ease process control documentation & overhead
- Use your profiles to maximize production throughput
- Improve process quality and consistency
- Measure and monitor process improvement
- Minimise troubleshooting time on problem processes

100% confidence in every PCB produced

- The small and light thermal profiler will fit through virtually any machine or process
- Up to 16 measurement channels for temperature profiling of the largest PCB's
- High efficiency, fast cool heat barriers provide protection against lead free processes
- Rapid release barrier system eases thermal profiling data logger disconnection and download
- Simple yet powerful windows software provides all tools to analyze your data.

Use the PROpredict feature within the software to analyse and modify your process settings without the need for repeated profile runs.

Save multiple types of information into a template for future production runs such as oven configuration, tolerance indicators, and thermocouple placement.
Print comprehensive SPC reports for your reflow and wave processes.

System accuracy	±1°C (±1.8°F)
Internal resolution	0.02°C (0.036°F)
Number of channels	up to 16 Type-K
Sample period	100mS to 10secs
Storage	32000 data points
Measurement range	-150°C to 600°C (-237°F to 1112°F)
Batteries	2 x Lithium coin cells
Battery Life	600 runs (low battery warning)
Data logger size	170 x 50 x 8.5mm (6.9 x 2 x 0.3")
Thermal Barrier size	(9ch) 265 x 80 x 20mm (10.4 x 3.2 x 0.8")

Standard equipment

- 16 channel UltraSlim data logger
- 9 channel heat barrier
- PC analysis software and download lead
- 9 Type-K thermocouples and leads
- Equipment case & spare batteries

Options

- 12 & 16 channel heat barrier

Analysis software

- Configure the data logger for accurate process parameter capture
- Place and name probe icons for total traceability
- Print comprehensive reports of your reflow or wave soldering process.
- Predict the effect of conveyor speed and zone temperature changes

For more information please [contact](mailto:sales@circuitmaster.co.uk) our sales department.
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