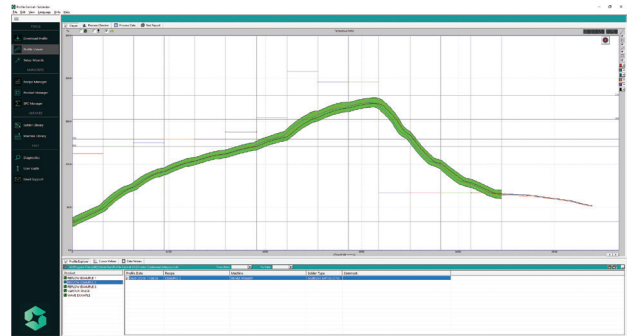
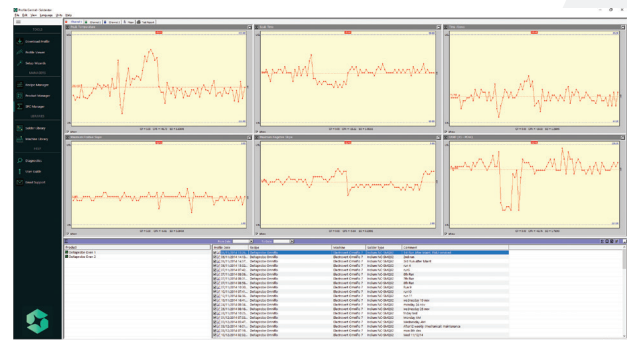


Adjustable fixture with matched oven performance sensors



Tolerance band functions



Integrated SPC Charting

Adjustable Reflow Oven Temperature Verification

The SolderStar DeltaProbe removes the need to use fragile test boards for periodic profiling required for ongoing control of the reflow process.

With fixed sensors and no test card or long trailing wires, the DeltaProbe is a robust and convenient platform for generating highly repeatable oven measurements.

Although process setup requires a temperature profile captured from a real test PCB, ongoing process monitoring can be achieved by measuring the difference from an established process baseline. Periodically the DeltaProbe is passed through the process to allow oven verification and SPC data to be captured. Process change, due to variations in convection levels, conveyor speed or zone setpoints, are instantly and accurately detected and the operator is notified visually.

Integrated SPC tools allow the operator to produce process control charts for ongoing process control measurement, evaluation and corrective action.

A 'golden profile' for each process is established in 3 easy steps:

- ◆ 1 - The optimum oven settings are first established by product profile capture and simulation
- ◆ 2 - The DeltaProbe is then passed through the reflow oven to capture a 'golden process profile'
- ◆ 3 - Tolerance limits can now be set around temperature traces and process parameters

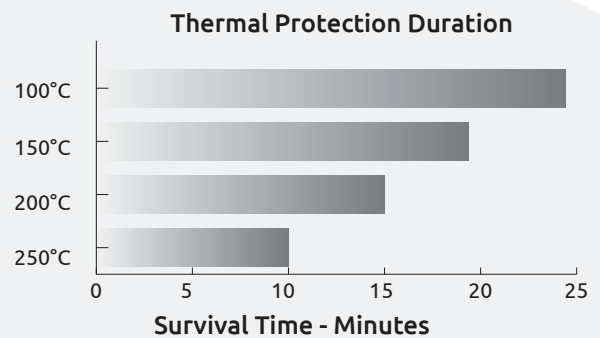
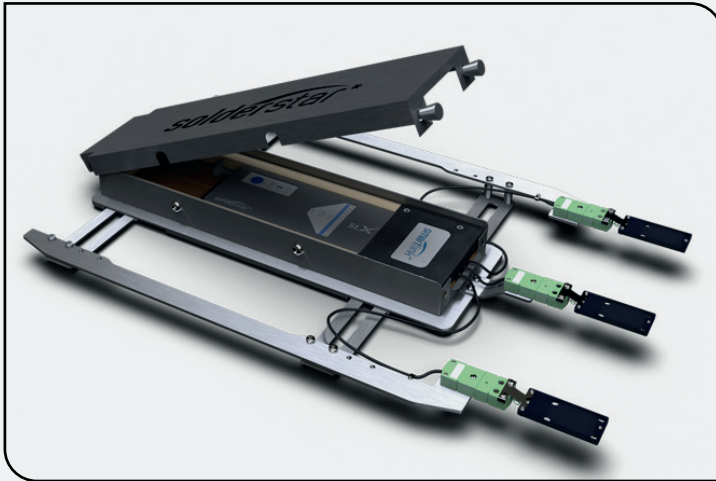
Error Conditions Detected

Incorrect oven profile loading
Accidental change of oven recipe settings
Line speed faults
Oven heater issues
Fan / Convection problems

Utilizes the Solderstar SLX smart datalogger



DeltaPRObe Technical Specification



Supplied Model	AC-DP-001
Material	Stainless Steel construction
Vacuum Capable	Yes
Shield Size (L x H)	330mm x 25mm
Width Adjustment	120mm to 450mm
Sensors	3 x Type-K matched thermal mass sensors
Thermocouple Specification	Type K, EN 05842:1993, Class 1 / ANSI MC 96.1

Wireless Telemetry Option

Frequency
2.4 Ghz Transceiver

Channels
128 Individual Channels



Software

Compatibility
Windows 7/8/10/11

Language Support
English, French, German, Italian, Portuguese, Spanish & Chinese

For more information contact your regional Solderstar office



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