



Featuring SolderStar
smartlink[®]
 connection System



Available with:



DeltaProbe - Eliminates the need for Fragile Test Boards

The SolderStar DeltaProbe is a reflow soldering accessory that works in conjunction with the SolderStar Pro temperature profiling system. It effectively 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 SolderStar DeltaProbe is a fixed, robust and convenient platform for generating highly repeatable results.

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 SolderStar DeltaProbe is passed through the process to allow rapid checks against the baseline profile and SPC data to be captured. Process change, due to variations in convection levels, conveyor speed or zone setpoints, is instantly and accurately detected and the operator is notified visually.

Advanced 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

Ultra compact datalogger suitable for reflow or wave solder profiling

www.solderstar.com



Error Conditions Detected

Incorrect oven profile loading
 Unauthorised change of oven profile settings
 Conveyor speed errors
 Setpoint & convection level errors

Standard Equipment

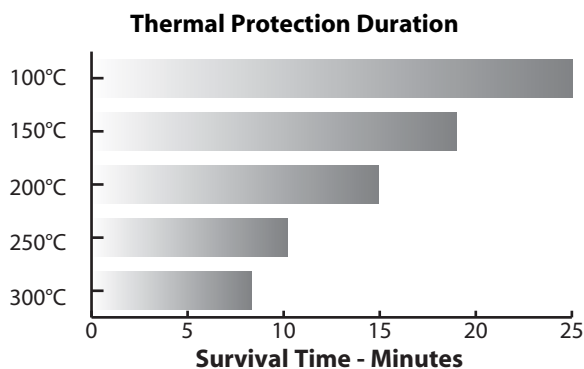
Adjustable carrier system (120mm – 450mm)
 DeltaProbe tolerance software module
 160mm Process Sensor Module
 3 x DeltaProbe sensors

Optional Items

100mm Process Sensor Module
 280mm Process Sensor Module
 Custom Process Sensor Module

Heatshield + Thermocouple Adapter

Supplied Model HS2580-SL + SL-DP160-3
 Material Stainless Steel
 Size (LxWxH) 330mm x 164mm x 25mm



Other heatshield sizes are available for special process requirements.

Wireless Telemetry Option

Frequency 2.4GHZ Transceiver
 Channels 128 Individual Channels
 Protocol Zigbee PRO - Duplex Transmission



Software

Compatibility Windows™ XP Vista/Windows 7 32 & 64 Bit
 Language Support English, French, German, Italian, Korean, Portuguese, Spanish, Simplified & Traditional Chinese

Application Areas

- Reflow Soldering
- Oven Setup + Monitoring

Standard Equipment

- 25mm heatshield
- 160mm 3 Channel Adapter
- 3 x DeltaProbe Sensors
- Tolerance band software

Specification subject to change without notification



REFLOW • WAVE • VAPOUR

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