

Featuring SolderStar  
**smartlink**  
connection System

Smartlink Thermal Barrier Concept  
(9 Channel Variant Pictured)

Available with:

- 6 CHANNELS
- 9 CHANNELS
- 12 CHANNELS
- 16 CHANNELS
- AUTO STEERING SOFTWARE
- USES TELEMETRY

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Miniature Profiling Datalogger



12 Channel Thermocouple Adapter

## SolderStar PRO - 12 Channel Reflow Profiling System

Designed for manufacturers and EMS providers looking for the ultimate in temperature profiling, the SolderStar Pro package takes profiling capability to the highest level and provides true process profiling for optimum quality control.

The SolderStar Pro includes the ultra compact Neptune SL datalogger with unique 'SmartLink' connector system. The 'SmartLink' concept allows high measurement channel configurations, while maintaining a small footprint and connection to a range of accessories for capture of SPC information from both reflow and wave soldering processes.

A comprehensive suite of full-feature software includes profile simulations and integrated SPC charting tools. This easy to use system is ideal for manufacturers and EMS providers who profile periodically to form a complete mass soldering quality control tool.

### System Advantages

- Datalogger provides industry-leading accuracy, slim-line footprint and full lead-free thermal performance
- Support for 6 to 16 measurement channels for profiling of the most complex PCB assemblies
- Unique SmartLink connection system provides easy and flexible connection to a range of products and accessories
- Professional software tools including profile analysis and simulation, ISO documentation and integrated SPC management software
- Connectivity via standard USB cables or 2.4Ghz Wireless Telemetry
- DeltaProbe and Wave Shuttle accessories extend the dataloggers use for wave solder process control and reflow oven performance monitoring

Ultra compact datalogger suitable for reflow or wave solder profiling

[www.solderstar.com](http://www.solderstar.com)



## Datalogger

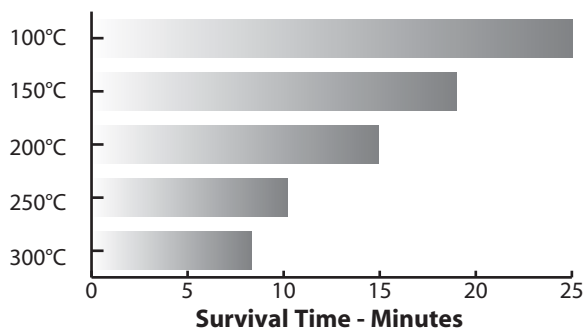
## Technical Data

Size/Weight	125mm x 52mm x 9mm, 110g
Channels	6, 9, 12 or 16 Channel Versions Available
Memory	120,000 Memory Points
Sampling	0.1 - 10 Minutes
Measurement Range	-150 - 500 °C
Accuracy	±1 °C
Resolution	±0.02 °C
Max. Internal Temperature	+85 °C (Auto Shutdown on over temp.)
Power	Rechargeable High Temperature Nimh
Communications	USB (Type A - Mini B) or 2.4Ghz Wireless
Thermocouples	Type K, Special limits of error. EN 05842:1993 Class 1 / ANSI MC 96.1

## Heatshield + Thermocouple Adapter

Supplied Model	HS2580-SL + SL-HS-12
Material	Stainless Steel
Size (LxWxH)	6/9 Channel Version: 330mm x 80mm x 25mm 12 Channel Version: 330mm x 104mm x 25mm 16 Channel Version: 330mm x 146mm x 25mm

**Thermal Protection Duration**



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
- Wave Soldering
- BGA & uBGA profiling
- Wave Solder & Reflow Process Control (SPC)
- Glue Cure
- Batch Vapour Phase

## Standard Equipment

- Neptune SL USB datalogger
- 6 Channel Thermocouple Adapter
- 25mm Lead Free heatshield
- 6 Type K thermocouples
- Profile Central PC Analysis software
- Profile Seeker Simulation + SPC Manager tools
- Reflow oven and solder paste libraries
- Hard copy manual + 1 Year calibration certificate
- Equipment case

## Optional Equipment

- AUTOSeeker Profiler Optimisation software
- 6, 9 or 16 Channel Adapter
- 2.4Ghz Wireless Telemetry
- WaveShuttle Pro – Wave Solder Analyser & SPC fixture
- DeltaProbe – Reflow oven performance fixture
- Vapour Phase Shield
- Adjustable Reflow Carrier

Specification subject to change without notification



REFLOW • WAVE • VAPOUR

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