



VP PRO - 6 Channel Vapour Phase Profiling System

The SolderStar PRO - VP system allows users of batch and in-line vapour phase soldering systems to fully profile their products in the same way as a conventional reflow machine.

The system includes the SolderStar PRO data-logger combined with a sealed light-weight heat shield capable of operating in the pre-heat, vapour reflow and vacuum stages of the machine.

Data can be passed to a nearby PC via wireless telemetry allowing the profile to be viewed in real-time by the user. Once data capture is complete the heat shield can be opened and the datalogger removed, allowing rapid cool down cycles and minimising the risk of overheating the profiling unit.

System Advantages

- Standard data logger and heat shield solution maximised datalogger protection
- Support for upto 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 for conventional reflow, vapour phase and wave soldering.
- Low mass thermal shield provides minimal impact to process
- Error free Wireless Telemetry with automatic offload and catchup ensure no gaps in data transmission
- Extendable Wireless range > 100 Metres from machine

Ultra compact datalogger suitable for reflow , wave or vapour phase solder profiling

www.solderstar.com



Datalogger

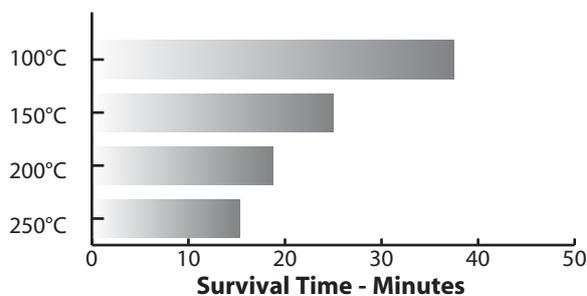
Size/Weight	125mm x 52mm x 9mm, 110g
Channels	upto 16 Channel Versions Available
Memory	120,000 Memory Points
Sampling	0.1 - 10 Minutes
Measurement Range	-150 - 500 °C
Accuracy	±1 °C
Resolution	±0.02 °C
Max. Internal Temperature	+85 °C (Auto Shutdown on over temp.)
Power	Rechargeable High Temperature 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

Technical Data

Heatshield

Supplied Model	HS-VP006-01
Material	Aluminium - PTFE Coated
Weight	6 Channel Version: 620g

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

- Batch Vapour Phase
- Inline Vapour Phase
- BGA & uBGA profiling
- Vacuum stage machines

Standard Equipment

- Neptune SL datalogger
- 6 Channel Vapour Phase Barrier
- 6 Type K thermocouples
- Profile Central PC Analysis software
- SPC Manager tools
- Hard copy manual + 1 Year calibration certificate
- Equipment case

Optional Equipment

- 8 Channel Barrier
- 2.4Ghz Wireless Telemetry
- USB powered Wireless range extender

Specification subject to change without notification



REFLOW • WAVE • VAPOUR

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