

SolderStar - MultiWave Pro

Featuring SolderStar
smartlink
connection System



System Features

- 24 x Titanium contact sensors and interface
- looms available for custom measurement fixtures to be manufactured quickly and cost effectively
- 8 x Type K measurement channels
- Connectivity via standard USB cables or 2.4Ghz Wireless Telemetry
- Dedicated analysis software with product database and integrated SPC charting package

Example Fixtures



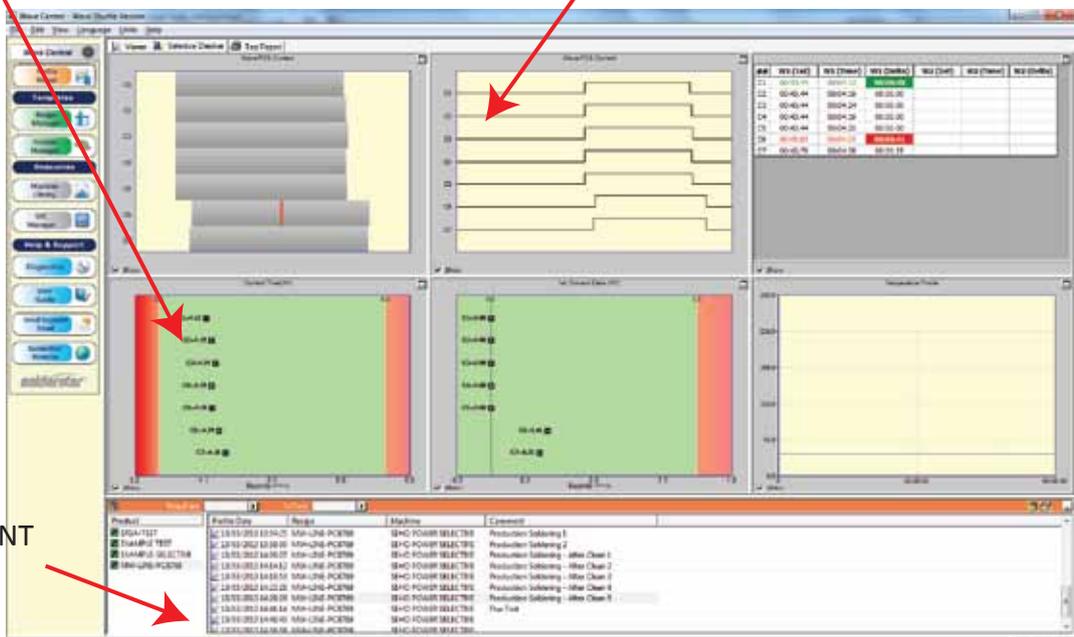
Precise measurement and control for Multi-Wave Selective Soldering machines

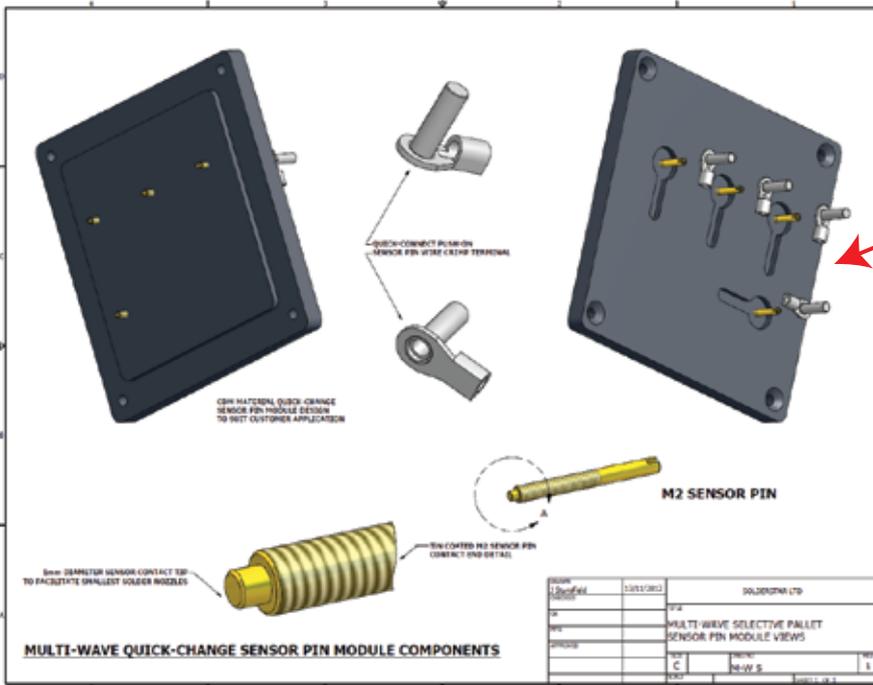
The MultiWave PRO is a compact and flexible instrument allowing dedicated test fixtures to be produced quickly and cost effectively for multi-wave soldering machines. Measurement sensors are fitted to customer specific locations which correspond to the soldering areas within the multi-wave solder pot tooling, this technique provides contact time and difference data to quickly allow engineers to identify any problem areas within the tool design.

INSTANT GOOD/BAD ANALYSIS OF PROCESS

ACCURATE MEASUREMENT OF NOZZLE/PCB CONTACT

DATA MANAGEMENT TOOLS





Example of titanium contact sensors fitted to match custom nozzle positions

Standard Equipment

- Multi-Wave Interface Box
- 1 x 24 Way Interface Loom
- 24 x Titanium Contact Sensors
- 1 x Pre-heat PCB / Sensor
- 1 x Solder Pot Probe

This product can be supplied as a stand-alone system complete with datalogger, or as an accessory to an existing SolderStar system. Please contact SolderStar or your local supplier for the optimum configuration for your soldering processes.

Parameters Measured

- Solder Nozzle / PCB Contact Time and first contact difference
- Solder Pot temperature
- Peak PCB Topside Temperature
- Heating Rates

Technical Data

Construction	CDM Anti Static / Aluminium
Dwell Contacts	24
Contact sampling	All contacts 100 times per second
Timing accuracy	+/- 0.01 seconds
Temperature	8 channels
Temp Accuracy	+/- 1°C
Temp Resolution	0.02°C (0.1°C displayed on graph)

Wireless Telemetry Option

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



Software

Compatibility	Windows™ XP Vista/Windows 7/8 32 & 64 Bit
Language Support	English, French, German, Italian, Portuguese, Spanish & Chinese

Optional Equipment

- 2.4Ghz Wireless Telemetry

Additional Process Support



REFLOW • WAVE • VAPOUR

A range of process specific accessories are available to extend the system for use with Reflow ,Wave/Selective Soldering and Vapour Phase processes.