



SuperM.O.L.E.® Gold RF The Gold Standard in RF Thermal Profiling

Classic Profiling for Lead-Free

Why thermal profiling? There are actually many reasons to profile, as outlined in the IPC-7530 specification – [Guidelines for Temperature Profiling Mass Soldering Processes](#). With lead-free realities upon us, if you don't profile now you certainly will soon. Increased melt temperatures drive the process exceedingly closer to materials limits, severely narrowing the process window. Managing that process through thermal profiling replaces opinions with facts and constitutes a key facet for process development and ongoing quality control. We call this Classic Profiling. The SuperM.O.L.E.® Gold, 1" Uni-Barrier with Yellow Jacket thermal barrier, and glass color-indexed thermocouples enable your lead – free profiling work. The software layers data formatting, software layers data formatting, oven modeling, predictive analysis oven modeling, predictive analysis and statistical process control.

Real-Time Lead-Free Profiling

When you want to see data live, on-screen, the logged data is sent via wireless link with the SuperM.O.L.E.® Gold RF System. The modular transmitter plugs between the profiler and power pack. This combination fits within the 1" Uni-Barrier/Yellow Jacket and sends signals to the computer-connected receiver. The live screen

auto-scales as it updates. Programmed alarm it updates messages also appear – useful for lead-free work.

With RF, your analysis is complete as you retrieve the M.O.L.E., speeding you back to production mode. Also beneficial for longer curing processes. For data integrity, transmit test button, dual signal strength meters and 15-step 913 to 920MHz selectable channels maximize reception. FCC-approved broadcast area is 2,090 sq. M [22,500 sq. ft.]; higher gain antennae available]. Data is still saved to the M.O.L.E. memory for subsequent download as well. Trust the profiler used by thousands worldwide every day, SuperM.O.L.E.® Gold and RF Lead-Free.

Compatibility:

SuperM.O.L.E.® Gold and Xpert-Ready SuperM.O.L.E.® Gold

Applications:

- Real-Time Profiling of Temperature, Air Velocity and Ultraviolet Energy
- Analyze while profiling for immediate resumption of manufacturing
- Real-Time Alarms monitor process thresholds

Power Supply:

NiMH power pack for Transmitter & wall transformer for Receiver

FCC Approved Transmitter:

Type accepted per Part 15C

Receiver:

As required by Part 15B

PC Interface:

RS-232 or USB

Specifications

Temperature Measurement Range: -200°F to 2372°F; (-129°C to 1300°C)

Thermocouple: Six Micro Type K

Accuracy: Within +/- 0.1 % + 1°C

Resolution: 1°F (0.56°C), 0.1°F with MAP Software

Physical Dimensions: 0.37 in. x 3.5 in. x 6 in.) (9.41 mm x 89 mm x 152.4 mm)

Sampling Interval: 0.1 seconds to 24 hours

Number of Samples: 5460

Power Supply: Rechargeable Ni-MH Power Pack

Not just RoHS Compatible... RoHS Compliant

Minimum System Requirements

Computer: Pentium® processor recommended
16 MB RAM (minimum), 24MB free hard disk space, Mouse, Serial Port Color VGA graphics and monitor (800 x 600 recommended)

Printer: Color printer recommended

Operating System: Windows 2000 or newer

Languages: English, French, Spanish, Italian and German are included.

Optional: Also works with MEGAM.O.L.E.® MAP Software

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Profiling Solutions Perfected

