

## 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, downloading and graphing with 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

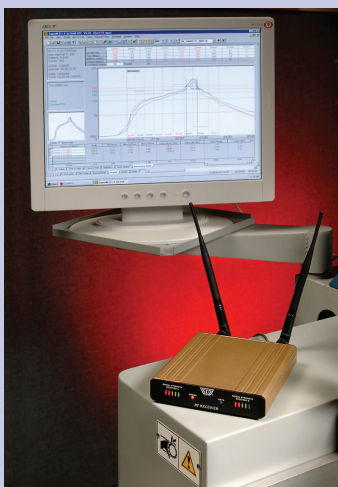
is sent via wireless link with the SuperM.O.L.E. Gold RF System. The modular transmitter plugs between the profiler and powerpack. This combination fits within the 1" Uni-Barrier/Yellow Jacket and sends signals to the computer-connected receiver. The live screen auto-scales as it updates. Programmed alarm 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.

## 4 Super M.O.L.E.® Gold Wireless 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 powerpack 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