



NOW with a new higher temperature design

TEMPROBE™ is a patented, precision temperature sensing instrument. The subminiature

thermocouple tip can be placed anywhere on a board, including profiling in wet solder paste or on fine pitch component legs. TEMPROBE™ is used in place of a conventional thermocouple to monitor the temperature of critical solder joints or components in soldering and rework processes. TEMPROBE™ is compatible with all thermal profilers.

Quality, Precision, Function

- **Prevent PCB Damage** - Eliminate soldering or bonding of thermocouples to PCBs.
- **Cut Labor Cost** - Installation and removal take just seconds.
- **Produce Reliable Profiles** - High contact pressure and low thermal mass give fast, reliable response.
- **Profile in Wet Solder Paste** - Profile the first pass of a PCB through the oven.
- **Monitor Temperature Anywhere** - Small, durable thermocouple tip fits in tight places.

BENEFITS OF TEMPROBE™

- Profile on the first pass through the oven by placing the Temprobe™ thermocouple tip in wet solder paste.
- Profiles are more accurate with Temprobe™ because no added material (solder or epoxy) is used for attachment.
- The Temprobe™ Thermocouple tip is preloaded to maintain high contact pressure throughout the profile.
- Temprobe™ makes it easy to take more profiles with greater reliability, to support ISO and SPC data requirements.
- Temprobe™ cuts labor, PCB rework and scrap to provide quick payback!
- No costly sacrificial test boards for temperature profiling.
- No soldering or bonding, so no residue or mechanical damage to the board assembly
- No need to rerun profiles because a taped down wire thermocouple lifted off the board.

Specifications

SuperM.O.L.E.® Gold Compatible

Maximum reach radius: 5.5 in (14 cm)

Height with clamp: 0.55 to 0.49 in (14 to 12.5 mm) above PCB

Probe Weight: 14 grams (less cable & connector)

Probe material: Stainless Steel

Temperature limit: 572° F (300° C)

Sensor: Type K junction

Lead wire: 24 in. (60 cm) long, with Kapton® insulation

Special Limits of Error: Less than $\pm 1.1^\circ$ C (Per ANSI MC 96.1)

Not just RoHS Compatible... RoHS Compliant

Options:

- Mounting Two Temprobe™s on One Clamp
- Mounting TEMPROBE™ Without the Clamp
- Minimizing the Overall Height of TEMPROBE™
- Shortening the Cable
- Lengthening the Cable
- Micro Connector or Miniature Standard K-type connector

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Profiling Solutions Perfected

