Reflow Process Verification... made Easy!

Ultimate reflow oven verification tool, directly compatible with all SuperM.O.L.E.® Gold and SuperM.O.L.E.® Gold 2 thermal profilers.

Durable (rated for +1,000 runs), self-contained easy to use pallet consisting of 3 process and 3 ambient sensors, measures critical parameters of an oven giving to the user data that can be used to measure oven performance and trouble shoot oven heating characteristics.

Features and Benefits:

- Verifies true oven performance through ambient and process temperature monitoring.
- Profiles ovens without thermocouple attachments – potential Golden Board substitute.
- Easy profile verification through Target 10 – ramp/soak/TAL and peak temperatures
- Uncovers problematic areas in ovens, abnormal ambient and process temperatures, differentials across processing width, heat transfer/convection abnormalities.
- Simple to use, automatically provides SPC data charts including Cp/CpK
- Customizable data collection and profile analyzes (M.O.L.E.® MAP software) including average ambient zone temperatures, convection changes through in zone delta temperature monitoring.
- Profile Overlay function, magnification, slope/distance, conveyor speed estimation, oven setup – initial oven recipe generation

Order ECD P/N: E54-8764-00
250MM (9.8") SuperM.O.L.E.® Gold ReflowValidator
**SPECIFICATIONS**

**DATA ACQUISITION: SuperM.O.L.E® Gold / 2**

- **Data Capacity:**
  - SuperM.O.L.E® Gold: 5,460 data points on single channel
  - SuperM.O.L.E® Gold 2: 250,000 data points on single channel
- **Sampling rate:** user selectable 0.1 sec-24 hours
- **Time Accuracy:** ±10 millisecond
- **Time Resolution:** 0.1 Second
- **Temp Accuracy:** ± 0.5°C (±0.9°F)
- **Temp Resolution:** 0.056°C (±0.1°F)
- **Measurement Range:** 0°C to 300°C (32°F to 572°F)

**PHYSICAL**

- **Dimensions:**
  - Standard Width: 250 mm (9.8 in.)
  - Height: 8 mm (0.314 in.)
  - Overall Length: 150 mm (5.9 in.)
- **Weight:** 200 grams (0.44 lbs.)

**WARRANTY**

1 year parts and labor

**PALLET SENSORS**

- 6 Type K (Process & Ambient):
  - Ambient Sensors: open K-Type thermocouples - [± 1.1°C or 0.4% accuracy, whichever is greater]
  - Process Sensors: K-Type imbedded low mass [FR4] thermocouples - [± 1.1°C or 0.4% accuracy, whichever is greater]

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**Ambient Sensors**

**Process Sensors**

**Micro Thermocouple Connector Bridge**