

Reflow Process Verification... made Easy!

ReflowValidator

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



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SPECIFICATIONS

Reflow Validator

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: $\pm 0.5^{\circ}\text{C}$ (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.)

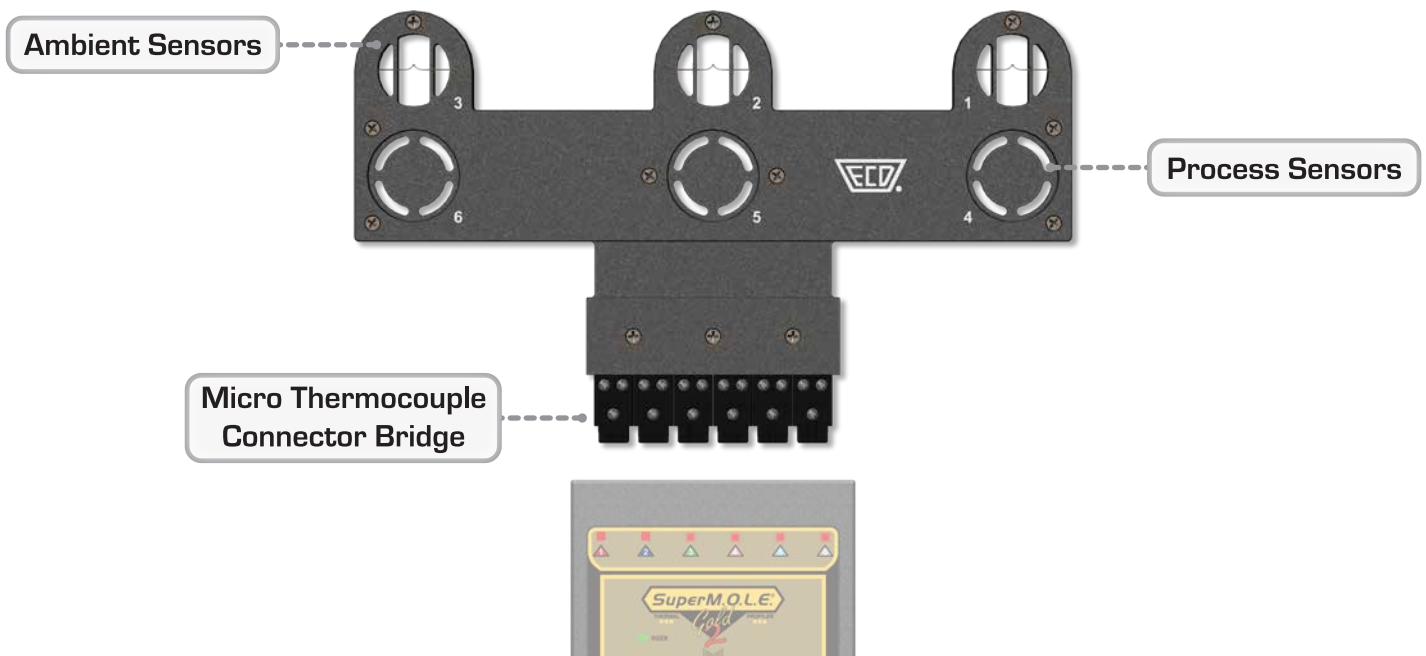
WARRANTY

1 year parts and labor

PALLET SENSORS

6 Type K (Process & Ambient):

- Ambient Sensors: open K-Type thermocouples - ($\pm 1.1^{\circ}\text{C}$ or 0.4% accuracy, whichever is greater)
- Process Sensors: K-Type imbedded low mass (FR4) thermocouples - ($\pm 1.1^{\circ}\text{C}$ or 0.4% accuracy, whichever is greater)



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