ECD, the world leader in thermal profiling solutions, introduces an easy to use yet powerful tool for verifying a production reflow oven - OvenCHECKER™.

Built around ECD’s award winning V-M.O.L.E.® Thermal Profiler, the OvenCHECKER™ system comes complete with the profiler, thermal barrier, pallet with 3 surface sensors and M.O.L.E.® MAP software, making it a complete solution for reflow oven verification.

www.ecd.com/products/ovenchecker
The EASIEST way known to “Verify” a reflow oven profile!

Excellence in Measurement Solutions Worldwide
Innovative “OK Button” feature, indicating Go/No-Go (relative to your profile specifications) at the touch of a button.

**THERMAL BARRIER**
Thermal protective barrier for the V-M.O.L.E®. Removable so it can be used for standard Thermal Profiling.

**3 SURFACE SENSORS**
Similar in profile to FR4 PCB

**EASY TO USE**

1: **SPECIFY**
Engineer sets specifications in MAP software for profile:
- Ramp
- Soak
- TAL
- Peak

2: **RUN**
Operator sends the OvenCHECKER™ through the oven.

3: **VERIFY**
Operator presses the “OK” button.
- Green = Go
- Red = Stop

**M.O.L.E.® MAP SOFTWARE**
Create a Target-10™ specification file using the OvenCHECKER™ which provides:
- A simple color “Go/No-Go” test criteria
- Analog gauges for intuitive data interpretation
- Drill down Data for engineering analysis
- Configurability, so you can delegate decision-making

“Verify” your process using the OvenCHECKER™ by pressing the OK button.

ECD-exclusive “OK Button” makes for quick work of assessing profile to be IN or OUT of specification.

If you...
- Need to verify your oven profile,
- Need to train multiple production operators to profile,
- Need to delegate Go/No-Go decisions to increase your own productivity
- Desire easy to understand, objective data - which removes interpretation

... you need OvenCHECKER™
SPECIFICATIONS

PHYSICAL: OvenCHECKER™

- **Length (Pallet):** 15.0in. (38.1cm)
- **Height (Thermal Barrier):** 2.54cm (1.0in.)
  - 17.8mm (0.7”) above conveyor chain
  - 7.6mm (0.3”) below conveyor chain
- **Width (Pallet):** 30.5cm (12in.)
- **Weight (Pallet):** 1656 grams (3.65 lbs.)
- **Pallet Surface Sensor Thickness:** 1.58mm (0.062in.)
- **Max. Operational Temperature (Pallet):** 300°C (572°F)
- **Accuracy:** ±/− 0.5°C (0.9°F)
- **Resolution:** 0.056°C (0.1°F)
- **Measurement range:** -200°C to 1271°C (-328°F to 2320°F)

PHYSICAL: V-M.O.L.E.®

- **Dimensions (L x W x H):**
  - 145mm (5.7") x 64mm (2.5") x 7.62mm (.3”)
- **Weight:**
  - Profiler: 0.068 kg (2.4 oz)
- **Max. Operational Range:** -40°C to +85°C (-40°F to 185°F)
- **Power Supply:** USB Rechargeable Lithium Polymer

DATA ACQUISITION: V-M.O.L.E.®

- **Sampling Interval:** 0.1 seconds to 24 hours
- **Data points:** 500,000 total for 3 channels
- **Data runs stored:** 96 (Standard Thermal Profiles)
- **Accuracy:** ±/− 0.5°C (0.9°F)
- **Resolution:** 0.056°C (0.1°F)
- **Measurement range:** -200°C to 1271°C (-328°F to 2320°F)

PATENT

- **U.S. PATENT No.** 6,062,728; 6,375,351; 6,520,675

WARRANTY

- **1 year parts and labor**
- **1 year warranty on materials and workmanship**

SYSTEM KITS:

**OvenCHECKER™ Standard System**
- 12 in. (305 mm) wide pallet
- P/N: E49-2435-02

**OvenCHECKER™ Custom System**
- 7.5” to 18” [190 mm to 458 mm] wide pallet
- P/N: E49-2435-12

KITS INCLUDE:

- **OvenCHECKER™ Pallet**
  - Includes 3 sensors & Thermal Barrier
- **V-M.O.L.E.® Profiler**
  - With USB rechargeable battery
- **M.O.L.E.® MAP Software**
- **PC USB 2.0 Cable**
  - Set-up, Download & Charging
- **Quick Reference Guide**
- **Carrying Box**
- **1 year warranty on materials and workmanship**

OPTIONS:

- **OvenCHECKER™ Pallet Kit:** Pallet, Quick Reference Guide, Carrying Box & 1 year warranty on materials and workmanship

- **OvenCHECKER™ Custom System Kit:**
  - 7.5” to 18” [190 mm to 458 mm] wide pallet
  - P/N: E49-2435-12

- **1 year parts and labor**

- **1 year warranty on materials and workmanship**

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- Top rated customer support • No-cost ECD Online Training • Award winning software •

DSD49-2342-00
2017/08