

The GOLD Standard  
Legacy in Thermal Profiling  
Lives on.

**SUPER**  
**M.O.L.E.®**



**SuperM.O.L.E.® Gold** is the profiler of choice! Chosen by virtually every one of the world's top 100 electronics manufacturing companies. Compact and very easy to use, the **SuperM.O.L.E.® Gold** offers enhanced 6-channel measurement with **M.O.L.E.® MAP Software**.

### Features:

- Includes everything you need to get started with thermal profiling including thermocouples, software and thermal barrier
- 6-Channel inputs with rechargeable NiMH Power pack
- Built-in database with over 550 selectable solder pastes automates profile specifications
- All the powerful features of M.O.L.E.® MAP Software.
- Ready for AutoM.O.L.E.® Xpert3, OvenRIDER® NL2, WaveRIDER® NL2, and OvenWATCH®

### Benefits:

- The SuperM.O.L.E.® Gold seamlessly integrates Statistical Process Control to key process parameters for each channel including, Time Above, Time Between, Peak, Max Slopes & Conveyor Speed. View and print Process Capability indices as well as control charts.
- The SuperM.O.L.E.® Gold used to profile your PCB today will capture the process signature of your reflow oven or wave solder machine tomorrow when docked into an **OvenRIDER®** and **WaveRIDER®**.
- Rock steady operation for years of reliability from your investment.

**ECD's SuperM.O.L.E.® Gold Thermal Profiling System comes complete to have you up and profiling in mere minutes.**

### System Includes:

- SuperM.O.L.E.® Gold 6-Channel Profiler, RoHS Compliant & AutoM.O.L.E.® Xpert-Ready
- Rechargeable NiMH power pack w/charging indicator LED
- 1.0" Uni-Barrier stainless steel thermal barrier
- Yellow Jacket Thermal Barrier Cover
- Glass set of 6 Color-Indexed 36-gauge thermocouples
- Power Pack Charger [110 or 220 VAC]
- M.O.L.E.® MAP Software
- SuperM.O.L.E.® Gold to PC Interface Cable
- USB/RS-232 Serial Adapter
- Quick Reference Guide
- Carrying Case

**Order ECD P/N: E45-7647-00**



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

# SPECIFICATIONS

# **SUPER** **M.O.L.E.®**



## THERMOCOUPLE SENSORS

6 Type K ECD Micro-Thermocouples

## COMMUNICATIONS

Interface: 9-Pin RS-232 Serial  
Cable: 9-Pin RS-232 Serial with USB/RS-232 Serial Adapter

## DATA ACQUISITION

Sampling Interval: 0.1 seconds to 24 hours  
Number of Samples: 5460 total for six channels  
Accuracy:  $\pm 1^{\circ}\text{C}$  ( $1.8^{\circ}\text{F}$ )  
Resolution:  $0.056^{\circ}\text{C}$  ( $0.1^{\circ}\text{F}$ )  
Measurement range:  $-129^{\circ}\text{C}$  to  $1300^{\circ}\text{C}$  ( $-200^{\circ}\text{F}$  to  $2372^{\circ}\text{F}$ )

## POWER

Battery: NiMH (nickel-metal hydride), Rechargeable  
Charge Protection: Trickle  
Charge time: 14 hours  
Charge Capacity: Typical 50 ten-minute profiles.  
Battery Life: 300-400 charging cycles.  
Charger input current:

- 120 V, AC, 50/60 Hz
- 230 V, AC, 50/60 Hz,

## PHYSICAL

Dimensions (L x W x H):

- Profiler: 152.4mm (6") x 89mm (3.5") x 9.41mm (0.37")
- Barrier: 269.7mm (10.62") x 104mm (4.1") x 25.4mm (1.0")
- Yellow Jacket: 286.5mm (11.28") x 115mm (4.53") x 32.5 (1.28")

Weight:

- Profiler: .204 kg (7.2 oz)
- Barrier: .861 kg (30.4 oz)
- Yellow Jacket: 0.07 kg (2.4 oz)

Operational range:

- Profiler:  $0^{\circ}\text{C}$  to  $65^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $150^{\circ}\text{F}$ )

## COMPLIANCE

EN55011:1992  
EN50082-1:1992  
EN61010-1:1990, and Amendment 1:1992  
89/336/EEC  
73/23/EEC  
2002/95/EC



## WARRANTY

2 years parts and labor

## WEBSITE

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