

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 University 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°F)
Resolution: 0.056°C (0.1°F)
Measurement range: -129°C to 1300°C (-200°F to 2372°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°C to 65°C (32°F to 150°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

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