

# SMARTEST PROFILER ON THE PLANET



SuperM.O.L.E.® Gold 2 continues the legacy of the original SuperM.O.L.E.® Gold Thermal Profiler. With all the power of a MEGAM.O.L.E.® 20, it retains the same form factor, thermocouple connector type, channel count (6), and RIDER-product compatibility.

## Core functionality enhancements include:

- **Waste-No Runs:** *New* ECD Technology; color-coded channel indicators PLUS individual channel LEDs on profiler
  - **RED** indicates channel is “active”, as configured in the software, and
  - **GREEN** indicates that thermocouple is plugged in and a complete circuit
- **Save Steps:** 96 Thermal Profile storage let's you download when you are ready
- Built-in patented “OK Button” compares a thermal profile to spec & gives a GO or NO-GO decision
- **Protect your Time & Profiler:** health Indicators (Core Temperature; Battery state; RF) help prevent wasted time and damage
- **Auto Detect:** Thermal Profiler automatically recognizes the RIDER 2 series process test pallets
- Optional 2-Way RF is pre-plumbed and available at time of purchase or future upgrade
- **Single-piece construction:** No separate battery module; ~5x charge-life of current SMG. Estimated 4-5 year battery-life
- **Easy to Use:** Fast upload, download and charge through USB

ECD's SuperM.O.L.E.® Gold 2 Thermal Profiling System comes complete to have you up and profiling in mere minutes.

## System Includes:

- SuperM.O.L.E.® Gold 2 (6-Channel Profiler, RoHS Compliant)
- 1.0” Uni-Barrier stainless steel Thermal Barrier
- Yellow Jacket Thermal Barrier Cover
- Glass set of 6 Color-Indexed 36-gauge Thermocouples
- M.O.L.E.® MAP Software
- PC USB 2.0 Cable (Set-up & Download)
- Quick Reference Guide
- Carrying Case

**Order ECD P/N: E51-0386-00**



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Home of the M.O.L.E.® Thermal Profiler

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

# SPECIFICATIONS



## THERMOCOUPLE SENSORS

Up to 6 Type K ECD Micro-Thermocouples

## COMMUNICATIONS

Interface: USB Compliant (charge;upload;download)  
Cable: USB Type A, Male-to-Mini B, 5 pin Male, 1m (3')

## DATA ACQUISITION

Sampling Interval: 0.1 seconds to 24 hours  
Data points: 250,000 for all 6 channels  
Data runs stored: 96+ (Standard Thermal Profiles)  
Accuracy: +/- 1°C (1.8°F)  
Resolution: 0.056°C (0.1°F)  
Measurement range: -200°C to 1271°C (-328°F to 2320°F)

## POWER

Battery: Lithium Polymer - Rechargeable, 340mAh  
Charge Protection: optimized for lithium polymer  
Charge time:

- Partial: 15 minutes (1 Run Minimum)
- Full: 9 hours

Charge Capacity:

- 10 Runs (Minimum)

Battery Life: 3 Years Minimum  
Charger input current: 175 ma via USB Interface

## 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: -40°C to +85°C (-40°F to 185°F)

## COMPLIANCE

EN 301 489-01 V1.8.1:2008  
EN 300 328 V1.7.1:2006  
EN 301 489-17 V2.1.1:2009  
EN 60950  
R&TTE 1999/5/EC  
Low-voltage Directive 2006/95/EC  
RoHS 2002/95/EC  
WEEE 2002/96/EC



## PATENT

U.S. PATENT No. 7,653,502

## WARRANTY

2 years parts and labor

## WEBSITE

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