

MEGAM.O.L.E.® 20

THE FIRST TRUE PROFILING INNOVATION IN YEARS...



Do you demand the highest density of thermocouple placement possible on your Hi-Reliability, High-Value PCB? ECD's got your Spec! Do you expect a software package that flexes with your workflow, providing customizable data extractions, Imports of your .MDM M.O.L.E. libraries and compatibility with your intranet, Excel, and all ECD M.O.L.E.® Profilers? The MEGAM.O.L.E.® 20 delivers your specifications in a sleek 7.2mm thin package with patented productivity enhancing features that will give you the edge in R&D decision making to WOVV. Management, Customers and your OEM-EMS QA linkage.

www.ecd.com/products/megamole20

A photograph of the MEGA M.O.L.E. 20 profiler in its grey carrying case. The case is open, showing the profiler on the right and a control panel on the left. The control panel has a display and several buttons. The profiler has a keypad with letters A, B, C, D and numbers 1-16. The background shows a printed circuit board (PCB) with various components and a graph with multiple colored lines representing temperature profiles. A QR code is visible in the upper right corner of the image area.

IMPORTANT!
*ALWAYS remove the M.O.L.E.® Profiler from enclosure immediately after use.
*ALWAYS cool the M.O.L.E.® Profiler and enclosure to room temperature before use.

MEGA M.O.L.E.® 20 PROFILER
E.C.D.

YOUTUBE
[QR Code]

ELECTRONICS FOOD/BAKING SOLAR INDUSTRIAL

Zone 7 03:00 r 03:30 r 04:00
Zone 8
Above Peak Temperature Add Extra

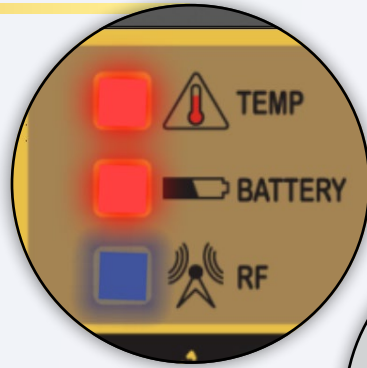
A New Innovation in Thermal Profiling



Excellence in Measurement Solutions Worldwide

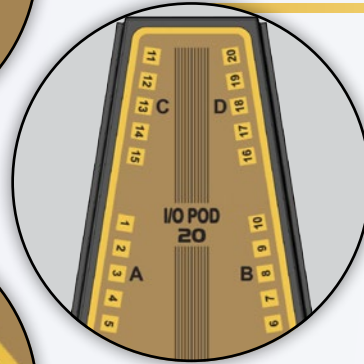
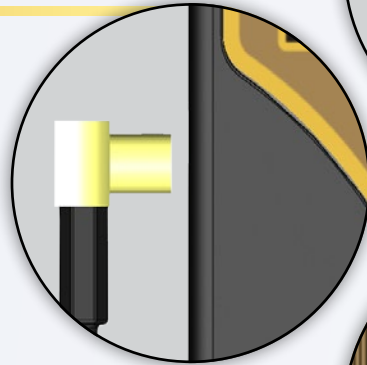
PROTECT YOUR TIME & PROFILER

- Know critical systems are "GO" before you thermal profile



WIRELESS RF

- Built-in Wireless Option

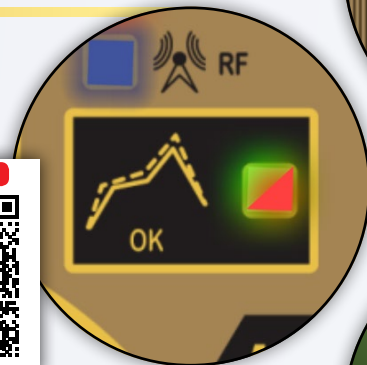


PROFILING PRECISION

- Elevates profiling precision of large complex boards to 20 PCB locations to satisfy OEM and R&D demands

OK BUTTON

- Operator gets GO/NO-GO decision control
- Improves productivity
- Saves Time

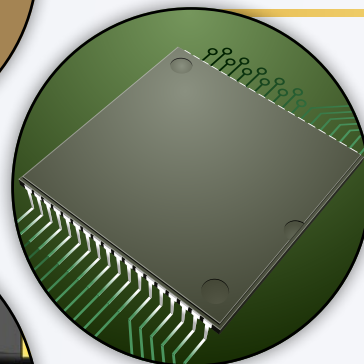
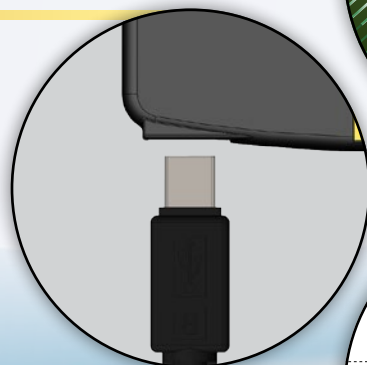


NEVER LOSE A THERMAL PROFILE

- Separate On/Off & Record buttons
- Prevents lost profiles

EASY TO USE

- USB enabled Fast Upload, Download or Charge

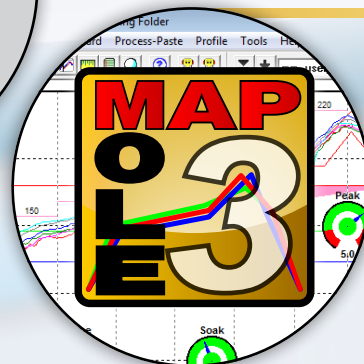


1.5 MILLION DATA POINT MEMORY

- 96 thermal profile storage lets you download on demand

M.O.L.E.® MAP SOFTWARE

- Download and analyze the data with the ECD award winning software.



SPECIFICATIONS

THERMOCOUPLE SENSORS

Up to 20 Type K ECD Nano-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: 75,000 for all 20 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)

POWER

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

- Full: 8 hours
- Partial: 15 min. charge allows one 10min. data run

Charge Capacity:

- 50 ten minute data runs*

Battery Life: 300-400 charging cycles or 3 years (Minimum)
Charger input current: 175 ma via USB Interface
Operating Range: 4.2V to 3.2V

* New, fully charged Power Pack.

SYSTEM INCLUDES (ECD P/N: E47-6342-00):

- MEGAM.O.L.E.® 20 Thermal Profiler
- MEGAM.O.L.E.® 20 Input/Output Module
- MEGAM.O.L.E.® 20 Rechargeable Power Pack Battery
- Stainless Steel Thermal Barrier
- Yellow Jacket Thermal Barrier Cover
- 4 Sets of 5 Glass Color-Indexed 36-gauge thermocouples
- PC USB 2.0 Cable (Set-up & Download)
- Universal Power Pack Charger
- M.O.L.E.® MAP Software
- Quick Reference Guide
- Carrying Case

PHYSICAL

Dimensions (L x W x H):

- Profiler: 179mm (7") x 64mm (2.5") x 7.12mm (.28")
- Barrier: 230.4mm (9.1") x 80.5mm (3.2") x 23.8mm (.94")
- Yellow Jacket: 257.8mm (10.2") x 97mm (3.8") x 31mm (1.2")

Weight:

- Profiler: 0.204 kg (7.2 oz)
- Barrier: 0.595 kg (21 oz)
- Yellow Jacket: 0.045 kg (1.6 oz)

Operational range (Profiler): -40°C to +85°C (-40°F to 185°F)

Humidity: 0-85% RH (Non Condensing)

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 (E47-6342-45 ONLY)
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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