

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 WOW. Management, Customers and your OEM-EMS QA linkage.

www.ecd.com/products/megamole20 ➔

The main image shows the MEGAM.O.L.E. 20 profiler in its grey carrying case. The case is open, revealing the device on the right and a control panel on the left. The control panel has a display and several buttons. The device has a yellow top with 'MEGA M.O.L.E. 20 PROFILER' and 'ECD' branding. The background is a large temperature profile graph with multiple colored lines and labels like 'Zone 7', 'Zone 8', and '03:00 r'.


YOUTUBE



ELECTRONICS



BAKING

FOOD/BAKING



SOLAR

SOLAR



INDUSTRIAL

INDUSTRIAL

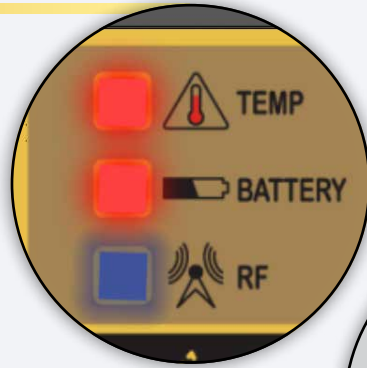
A New Innovation in Thermal Profiling



Excellence in Measurement Solutions Worldwide

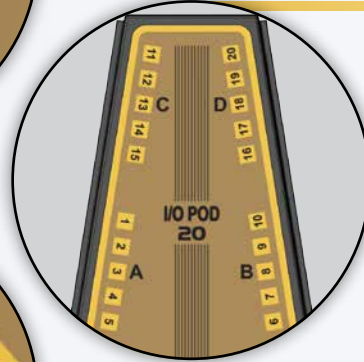
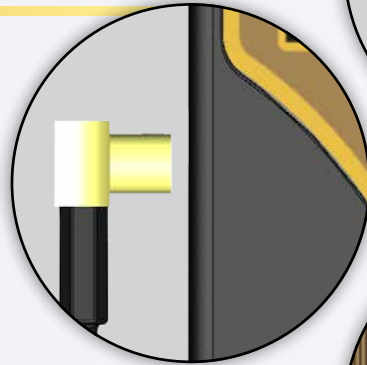
PROTECT YOUR TIME & PROFILER

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



WIRELESS RF

- Built-in Wireless Option

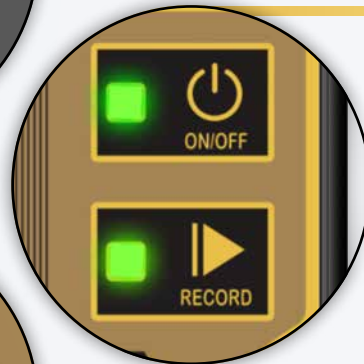
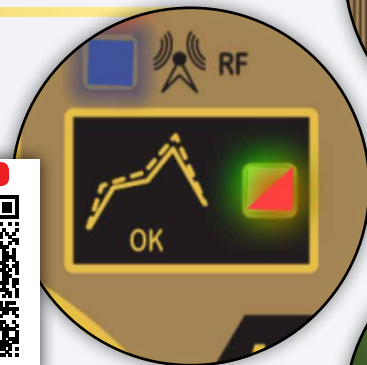


PROFILING PRECISION

- 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

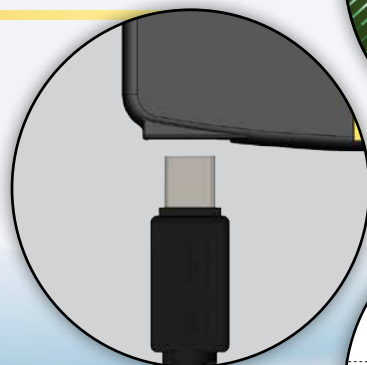


NEVER LOSE A THERMAL PROFILE

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

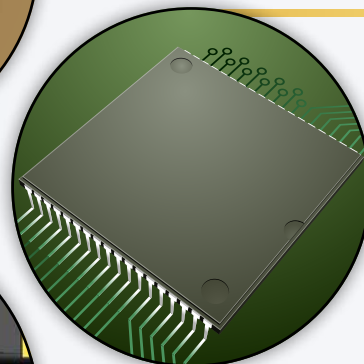
EASY TO USE

- USB enabled Fast Upload, Download or Charge



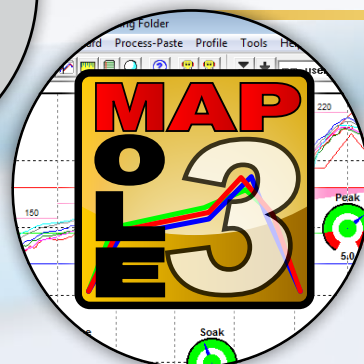
1.5 MILLION DATA POINT MEMORY

- 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: +/- 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:

- 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

www.ecd.com



ECD North & South America
World Headquarters
4287-B SE International Way
Milwaukie, Oregon 97222-8825 U.S.A.
Tel: +1 503 659 6100/+1 800 323 4548
Fax: +1 503 659 4422
E-Mail: sales@ecd.com | Web: www.ecd.com

ECD Asia/Pacific
Singapore
Mobile: +65 9692 6822
Fax: +65 6241 9890
E-Mail: ecd.asia@ecd.com

ECD Europe/Africa/Middle East
Mobile: +48 512 659 100
E-Mail: ecd.europe@ecd.com

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