



M.O.L.E.™ EV6

Thermal Profiler

An Evolution in Thermal Profiling

With a revolutionary new design, M.O.L.E.™ EV6 brings deep data collection and touch screen convenience to thermal profiling. The traveling thermal profiler allows configuration, measurement and data analysis right on the device – providing immediate actionable information, saving time and reducing the requirement for intensive operator training. Using a familiar smartphone-like capacitive touch screen, users now have shop floor data literally at their fingertips. The six-channel M.O.L.E. EV6 integrates with all ECD RIDER™ machine quality management technologies for a truly scalable approach, made easier with visual, touch screen control.

FEATURES | BENEFITS

- ✔ Built in LED touch screen display.
 - Simple and immediate status confirmation.
 - Color coded, pass/fail, numerical key performance data.
 - Live temperature readings.
 - Saves time, reduces training requirements.

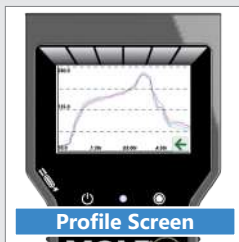
- ✔ Flexibility
 - 6 thermocouple inputs.
 - Multiple thermocouple types supported.
 - Wireless, real-time operation via Bluetooth® (optional).

- ✔ User-Friendly on-screen information

- Built-in calibration reminders
- Battery life/charge indicators
- Memory status indicator

- ✔ Built to last

- High capacity, off the shelf Li-Po rechargeable battery.
- Automatic shutdown if internal temperature is too high.
- ESD protected inputs.
- USB-C communication and charging.



Profile Screen



KPI Table Screen



Integrates with all ECD RIDERS for scalable machine quality management



60 Years of Excellence, and Still Growing Strong

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WHAT'S IN THE KIT



STANDARD THERMAL PROFILER KIT ECD P/N: E61-3806-00

- M.O.L.E.™ EV6 thermal profiler
- 260L stainless steel thermal barrier
- 260L Yellow Jacket thermal barrier cover
- One set of 6 glass color-indexed 36-gauge thermocouples
- M.O.L.E.™ MAP software
- PC USB-C cable (set-up & download)
- Universal power pack charger
- Quick reference guide
- Carrying case
- Calibration certificate from ECD's ISO 17025-accredited lab

SPECIFICATIONS:

DISPLAY

IPS TFT display
240 x 363 dot matrix
High brightness LED backlight
Any angle viewing direction

THERMOCOUPLE INPUTS (UP TO 12)

ECD micro-thermocouples: Type K, T, J, E, N, R, S & B
%RH: ECD VaporWATCH® RH sensor

DATA ACQUISITION

Sampling interval: 100 samples/second to 10 minutes/sample
Data points: 16 million or 200 data runs (whichever comes first)
Accuracy: +/- 0.5°C (0.9°F)
Resolution: 0.0056°C (0.01°F)*
Noise rejection: 50-60 Hz*
Measurement range: -200°C to 1,200°C (-328°F to 2,192°F)

POWER

Battery: LiPo (lithium polymer ion) - rechargeable, 1100mAh
Charge protection: Optimized for lithium polymer
Charge time: Full - < 4 hours
Charge run time: Full - 6 to 8 Hours
Battery life: 300 charging cycles or 3 years (minimum)
Charger input current: 60 ma via USB interface

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* >= 0.05 seconds/sample

COMMUNICATIONS

Interface: USB 2.0 compliant (charge; upload; download)
Cable: USB type A to USB-C, 1m (3')

PHYSICAL

Dimensions (L x W x H):
• Profiler: 152.4mm (6.0") x 89mm (3.5") x 9.41mm (0.37")
• Barrier: 254.0mm (10.0") x 104mm (4.1") x 26.9mm (1.06")
• Yellow Jacket: 264.2mm (10.4") x 115mm (4.53") x 32.5 (1.28")

Weight:
• Profiler: 0.204 kg (7.2 oz)
• Barrier: 0.75 kg (26.4 oz)
• Yellow Jacket: 0.07 kg (2.4 oz)

Operational range (profiler): -40°C to +85°C (-40°F to 185°F)
Humidity: 0-85% RH (non condensing)

COMPLIANCE



PATENT

Patent No. 7,653,502

WARRANTY

2 years parts and labor

PRODUCT PAGE

ecdusa.co/mev6

All information is subject to change at any time without notice.



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