The new M.O.L.E.™ EV6 brings deep data collection and touchscreen convenience to thermal profiling for commercial and artisan baking operations. 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 food production thermal processing data literally at their fingertips. The six-channel M.O.L.E. EV6 integrates with all ECD sensors including BreadOMETER™ and CakeOMETER™ for in-process product data in a scalable system. The device is backward compatible, so new sensor investment is not required.

www.ecd.com
FEATURES

OPERATIONAL ROBUSTNESS
- High-capacity, off-the-shelf Lipo battery
- Auto shutdown protection for over temp conditions
- Programmable to conserve battery life
- Watchdog timer-monitored firmware control
- ESD-protected inputs
- Non-volatile profile memory

SIMPLE AND IMMEDIATE STATUS CONFIRMATION
- On-screen instrument status display:
  » Live temperature readings
  » Thermal profile
  » KPI table

EASE OF USE
- USB C communications and charging
- 2-button control (on/off and record)

FLEXIBILITY
- Support of multiple thermocouple types and integration with existing sensor technologies

SPEED
- Sampling at up to 100 samples per second

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

E.O.L.E.™ MAP SOFTWARE
Download and analysis enabled by award-winning software
M.O.L.E.™ EV6 BAKING SYSTEM

SYSTEM INCLUDES:

- M.O.L.E.™ EV6 thermal profiler
- Choice of thermal barrier
  - BB-45, BB-50 or BB-80
- Choice of PFA set of 6 Color-Indexes 30-gauge Thermocouples
  - 7-ft. or 3-ft.
- 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

Scalable Sensor Integration
Baked Goods Production

Engineering Process Control Solutions for Over 50 years
**SPECIFICATIONS**

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

**THERMOCOUPLE INPUTS (UP TO 6)**
- ECD Micro-Thermocouples: Type K, T, J, E, N, R, S & B (Type K Special Limits of error)
- %RH: ECD VaporWATCH™ RH sensor

**DATA ACQUISITION**
- Sampling interval: 100 samples/second to 10 minutes/sample
- Data points: 16 million (2.6 million at 6 channels) or 200 data runs (whichever comes first)
- Accuracy: +/- 1°C (1.8°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 runtime: Full - 6 to 8 Hours
- Battery life: 300 charging cycles or 3 years (minimum)
- Charger input current: 60 ma via USB interface
- * > 0.5 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"] x 89mm [3.5"] x 9.41mm [0.37”]
  - BB-45: 241mm [9.5"] x 122mm [4.80"] x 46mm [1.82"]
  - BB-50: 238mm [9.37"] x 122mm [4.80"] x 49mm [1.93"]
  - BB-80: 236mm [9.3"] x 123mm [4.7"] x 80mm [3.15”]
- Weight:
  - Profiler: 0.204 kg [7.2 oz]
  - BB-45: 1.47kg [3.25lbs]
  - BB-50: 2.38kg [5.25lbs]
  - BB-80: 4.1kg [8.95 lbs]
- Operational range (profiler): -40°C to +85°C (-40°F to 185°F)
- Humidity: 0-85% RH (non condensing)

**COMPLIANCE**
- Patent No. 7,653,502
- Warranty: 2 years parts and labor
- WEB PAGE: [ecdusa.co/mev6-bake](http://ecdusa.co/mev6-bake)

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**DSD63-2238-00**

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- Award winning products, service & software • No-cost ECD Online Training •
- Accredited Lab • Member of • Awards • Social Networks

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