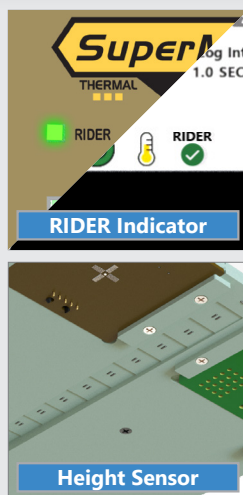




Selective RIDER®

Process Precision for Selective Solder Repeatability

The SelectiveRIDER® is a measurement pallet designed to capture parameters from the selective solder process and collect machine data for repeatability. It uses a 6 channel ECD M.O.L.E.™ profiler as the data collection device, and a dedicated environment in MAP software for analysis and SPC. It captures: fountain height, fountain X/Y accuracy, fountain diameter, solder temperature, maximum preheat, Delta T at contact, Flux penetration, and Fluxer X/Y accuracy.



FEATURES | BENEFITS

✓ Dynamic X/Y Sensor

Measures both X and Y position from target center in addition to fountain diameter while touching the bottom of the pallet.

✓ Height Sensor

Measures fountain height as referenced from the bottom of the pallet.

✓ Mini Fluxometer®

Included with the kit are two test mesh types; V-Gauge (Vernier) and UP (Uniformity & Penetration) along with three types of test paper.

V-Gauge Mesh Measures:

- Dispense accuracy (X and Y)
- Indicates blocked/unprimed spray head
- Confirms dot size
- Illustrates under/overspray

UP Mesh Measures:

- Accuracy of flux application patterns and uniformity
- Flux hole penetration

✓ RIDER Indicator

The Rider LED Indicates when SuperM.O.L.E.™ Gold 2 is connected to a SelectiveRIDER® test pallet. And when connected to a M.O.L.E.™ EV6, a "RIDER" symbol appears on the display. This also automatically sets the M.O.L.E.'s configuration.

60
YEARS



60 Years of Excellence, and Still Growing Strong

www.ecd.com



WHAT'S IN THE KIT



STANDARD KIT ECD P/N: E60-7353-00

- SelectiveRIDER® Pallet
- Dynamic X/Y Sensor
- Mini Fluxometer™ (V-Gauge & UP)
- Test Paper (IPA, Neutral PH & Low PH)
- M.O.L.E.™ MAP Software
- Quick Reference Guide
- Carrying Case
- 1-year warranty on materials and workmanship

SPECIFICATIONS:

PALLET MEASUREMENTS

1. Max Pre-heat / Delta T
2. Fountain Temperature
3. Fountain X/Y Position / Diameter
4. Fountain Height
5. Dwell Time
6. Flux Deposition / Uniformity

PALLET SENSORS

Dynamic:

X/Y Fountain Position Accuracy:

- Range: 0 mm – 5.5 mm in $\pm X$ and $\pm Y$ Coordinates
- Accuracy: ± 0.5 mm
- Resolution: 0.1 mm

Fountain Diameter:

- Range: 3 mm to 12 mm
- Accuracy: ± 0.5 mm
- Resolution: 0.1 mm

Fountain Height:

- Range: 0 mm to 6 mm
- Accuracy: ± 0.5 mm
- Resolution: 0.5 mm

Dwell Time:

- Accuracy: ± 0.01 Sec
- Resolution 0.1 Sec

Thermal:

Top Side Max Preheat

Top Side Delta T

Fountain Temp

- Accuracy: ± 1 °C
- Resolution: 0.1 °C

* Special Limits of Error K-Type thermocouple wire
(± 1.1 °C or 0.4%, whichever is greater)

PHYSICAL

Length: 300 mm [11.8 in.]

Width: 200 mm [7.87 in.]

Height: 35.4 mm [1.39 in.]

Weight: 1.72 kg [3.78 lbs]

Max. Operational Temperature (Pallet): 300°C [572°F]

COMPLIANCE



WARRANTY

1 year parts and labor

PRODUCT PAGE

ecdusa.co/sr

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



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