Four Wire Easy-Setup Tester (FWT-F1-Pro)

HOPE Advanced Materials

- Advanced Four-Wire (Kelvin) measurement technology, compliant with latest PCB test specifications
- Designed for Automotive PCBs and high value-added PCBs
- Enables high-throughput, high-volume Four-Wire testing for mass production
- Effectively overcomes throughput limitations of flying-probe Four-Wire testing
- Accurate detection of plated through-hole (PTH) voids and trace loop discontinuities
- Supports Four-Wire mid-process testing (semi-finished panels) and final product testing
- Four-Wire and Two-Wire tests can be performed simultaneously
- Flexible test point configuration for both Four-Wire and Two-Wire measurements
- Panel short disable / panel-level function support
- Integrated SPARK / Sigma measurement standards
- Compatible with cost-effective Four-Wire composite fixtures, eliminating the need for expensive wire-pin fixtures
- High-speed, high-accuracy Four-Wire resistance measurement

Product Specifications	
Test Area	750 mm x 850 mm/950 mm x 580 mm
Test Points	8,192/16,384 (SD) 20,480/24,576 (DD)
Test Speed	8,000 Points/sec (Two Wires) 1,500 Nets/sec (Four Wire)
Two Wire Continuity Test	10 Ω ~ 50 kΩ
Four Wire Continuity Test	0.1 mΩ ~ 100 Ω (Accuracy: ± 0.1 mΩ)
Insulation Test	100 kΩ ~ 50 MΩ (Upgradeable to 100 MΩ)
Test Voltage	15 V ~ 300 V
Test Current	10 mA ~ 100 mA
Optional	(1) HR; (2) HR2; (3) SPARK2; (4) µ-SHORT; (5) Embedded Resistance 1 Ω~100 kΩ, and upgradeable to 10 MΩ; (6) Sigma; (7) Single-axis robotic arm
Dimension (L x W x H)	1500 mm x 1350 mm x 2000 mm (w/o robotic arm) 3100 mm x 1350 mm x 2000 mm (w/ robotic arm)

Customizable upon request. Please contact us for more information.