



## Four Wire Milli-Resistance Tester (FWT-1A )



- Incorporates the latest Four-Wire (Kelvin) measurement technology, compliant with current PCB industry specifications
- Specifically designed for Automotive PCBs and high value-added PCBs
- Enables high-efficiency, high-throughput Four-Wire testing suitable for mass production
- Effectively addresses throughput and capacity limitations of flying-probe Four-Wire testing
- Accurately detects plated through-hole (PTH) voids, including point-type and trace-loop defects
- Supports both Four-Wire mid-process testing for semi-finished panels and final product testing
- Four-Wire and Two-Wire measurements can be performed simultaneously
- Flexible test point assignment for both Four-Wire and Two-Wire testing
- Panel short disable and panel-level functional testing support
- Compliant with the latest SPARK / Sigma measurement standards
- Compatible with cost-effective Four-Wire composite fixtures, eliminating the need for expensive wire-pin fixtures
- Delivers high-speed, high-accuracy Four-Wire resistance measurement

### Product Specifications

Test Area	680 mm x 580 mm/950 mm x 580 mm
Test Points	4,096~16,384/4,096~24,576
Test Speed	8,000 Points/sec (Two Wires) 1,500 Nets/sec (Four Wires)
Two Wire Continuity Test	10 $\Omega$ ~ 50 k $\Omega$
Four Wire Continuity Test	0.1 m $\Omega$ ~ 100 $\Omega$ (Accuracy: $\pm$ 0.1 m $\Omega$ )
Insulation Test	100 k $\Omega$ ~ 50 M $\Omega$ (Upgradeable to 100 M $\Omega$ )
Test Voltage	15 V ~ 300 V
Test Current	10 mA ~ 100 mA
Optional	(1) HR; (2) HR2; (3) SPARK2; (4) $\mu$ -SHORT; (5) Embedded Resistance 1 $\Omega$ ~100 k $\Omega$ , and upgradeable to 10 M $\Omega$ ; (6) Sigma; (7) Single-axis robotic arm
Dimension (L x W x H)	1900 mm x 1370 mm x 2050 mm (w/o robotic arm) 3700 mm x 1370 mm x 2050 mm (w/ robotic arm)

Customizable upon request. Please contact us for more information.