NEW product

AT 6937/6937A
AT 6936 CAPACITANCE SORTER INSULATION RESISTANCE METER

5 "LCD DISPLAY
485 (W) * 129 (H) * 350 (D)
UNIT: mm
Weight: 8kg

Measured voltage
25V~1000VDC

- High speed and high precision test
- Open circuit detection function
- Intelligent temperature control circuit
- Double overcurrent protection circuit

Maximum charging current 1A



Power Supply 198VAC-252VAC 50/60Hz Power: maximum 550VA

AT6937 is a high performance microprocessor-controlled insulation resistance tester. The newly upgraded intelligent constant current control power supply can intelligently sense the output voltage and dynamically adjust the constant current output. The maximum charging current can reach 1A and the voltage can reach 1000VDC. Six range test, the insulation resistance measurement range can reach 10kΩ~1TΩ, the maximum display digit 9999. Test speed up to 55 times/second. Ultra-high speed testing provides the best solution for automated production.

AT6937 is especially suitable for capacitor insulation resistance test, built-in 1000V, 500W charging power supply, constant current charging current 1A, can cope with large capacity power capacitor, electrolytic capacitor and other insulation test. The intelligent constant current power supply can effectively shorten the capacitor precharge time and improve the production efficiency of the production line. The newly designed open circuit detection circuit can reliably detect the open state of fixture and prevent misjudgment.

AT6937 Test time and threshold voltage Settings can be preset. Charging the capacitor to the preset voltage with high power constant current can effectively shorten the pre-charging time. Built-in 2-level constant current discharge circuit, fast and efficient discharge of capacitors The electric instrument shortens the measurement cycle.

The instrument has the sorting function, the sorting ring setting, and the optional Handler interface, which can be applied to the automatic sorting system to complete the automatic pipeline test. It can also be equipped with RS232C interface for remote control and data acquisition and analysis. Computer remote control instructions are compatible with SCPI (Standard Command for Programmable Instrument), which effectively completes remote control and data acquisition functions.

MODEL	AT6937	AT6937A	AT6936
Test power supply	500W	1000W	500W
Test voltage	25V, 50V, 100V, 250V, 350V, 400V, 500V, 600V, 750V, 800V, 900V, 1000VDC		50V, 100V, 250V, 400V, 500V
Test voltage accuracy	± 1%		
Display parameters	Resistance value and sorting result		
Test range	Resistance: 25kΩ ~ 1TΩ		Resistance: 50kΩ~500GΩ
Basic accuracy	Resistance in slow range: <1G: ±1% ≥ 1G: ±3% ≥ 10G: ±5% ≥ 1T: ±10%		Resistance in slow range: <1M: ± 5% ≥1M: ± 1% ≥1G: ±3% ≥10G: ± 5%
Maximum reading	Slow: 9999, medium and fast: 1999		
Maximum charging current	1A		
Test speed	Fast: 55 t/s, medium speed: 25 t/s, slow speed: 3 t/s		Fast: 55 t/s, medium speed: 15 t/s, slow speed: 3 t/s
Trigger	Internal, external, manual, and remote triggering		
Range	Six range automatic or manual tests		
Calibrate	Full range open circuit clearing function		
Comparator	Output NG, GD		
Interface	Built-in Handler interface; Built-in RS232 interface; RS485; TYPE-C; LAN; USB		
Programming language	SCPI		
Accessories	ATL507 test cable; Power cord		