AT 6833 INSULATION RESISTANCE METER
AT 6830

VFD DISPLAY
445 (W) * 129 (H) * 351 (D)
UNIT: mm
Weight: 8kg

Measurement range up to 1TΩ

Output voltage 25V~1000VDC

- **High speed and precision testing**
- **With automatic equipment interface**

AT6833 is an insulation resistance meter controlled by a high-performance microprocessor. Equipped with pre charging power supply and independent testing power supply, with six range testing, the insulation resistance measurement range can reach 25kΩ~1TΩ (AT682) and the maximum display digit is 9999. The testing speed can reach 55 t/s and ultra high speed testing provides the best solution for automated production.



Power Supply 198VAC-252VAC 48.5-52.5Hz Power: maximum 200VA

The instrument has sorting function and sorting sound settings. It can also be equipped with a Handler interface for automatic sorting systems to complete fully automatic pipeline testing and equipped with RS232C interface for remote control and data acquisition and analysis.

The computer remote control instructions are compatible with SCPI (Standard Command for Programmable Instrument) with efficiently completing remote control and data collection functions. The unique dual power supply design is particularly suitable for automated testing of capacitors.

MODEL	AT6830	AT6833
Parameters	Insulation Resistance	
Output Voltage	50V, 100V, 250V, 400V, 500V	100V,250V, 500V, 750V, 1000V
Measurement range	**50kΩ~500GΩ** 50V :50kΩ~50GΩ 100V :100kΩ~100GΩ 250V :250kΩ~250GΩ 400V :400kΩ~400GΩ 500V :500kΩ~500GΩ	**25kΩ~1TΩ** 100V :100kΩ~100GΩ 250V :250kΩ~250GΩ 500V :500kΩ~500GΩ 750V :750kΩ~750GΩ 1000V :1MΩ~1000GΩ
Accuracy	Within slow range, Resistance: <1M: ± 5% ≥1M: ± 1% ≥1G: ± 3% ≥10G: ± 5%	
Maximum charging current	**Test voltage source: 150mA soil 15mA precharge voltage source: 500mA soil 50mATest voltage source: 150mA soil 15mA precharge voltage source: 500mA soil 50mA**	
Rang	Auto, Manual	
Max Reading	Slow: 9999, Fast: 1999	
Speed	Fast 55 t/s, Medium 15 t/s, Slow 3 t/s	
Calibration	Open-circuit zero -adjust for all range	
Result Display	Direct reading	
Comparator	1 set of record, HI/LO, Unqualified beep	
Trigger	Internal, Manual , External and Remote	
Others	VFD high-definition screen, keyboard lock and data retention function	
Accessories	ATL507 three-terminal test clip; ATL108 RS232 communication cable	