AT 6820 INSULATION RESISTANCE METER

CHINESE/ENGLISH OPERATION
264 (W) * 107 (H) * 307 (D)
UNIT: mm
Weight: 4kg

High-speed auto discharge function

Quickly end battery discharge

Quick determination of insulation resistance inspectionin as little as 50ms

- **Contact check function**
- **Freely set test voltage**
- **Short-circuit check function**

The AT6820 insulation resistance meter is a micro desktop instrument controlled by a high-performance ARM microprocessor for fully automatic real-time detection. The instrument adopts a full color LCD display screen, a full digital keyboard, and is paired with the applent instrument operating system to make the display clearer and operation more convenient.

The instrument is equipped with a 10V~1000V voltage source with a 1V resolution, which can be programmed and output at will; The instrument has an insulation resistance accuracy of 2% and a measurement range of up to 1TΩ. With a reading of 9999, the measurement speed can reach 30 times/second. It can store 10 sets of settings internally, and external USB disks can also store 10 sets of settings, making it convenient to call different specifications.



Power Supply 100VAC~240VAC 50/60Hz Power: maximum 30VA

Built in comparator, the results of the comparator can be output through the Handler interface. Unique list scanning function, capable of programming 5 different voltages for insulation resistance scanning measurement, and outputting 5 comparison results through HANDLER. Standard configuration includes USB-232 interface, RS-232 interface, RS-485 interface, and supports Modbus RTU protocol, making communication with PLC very convenient.

MODEL AT6820

Parameters	insulation resistance
Output voltage	numerical control 10V ~ 1000VDC
Accuracy	2%
Measurement range	0.000M ~ 1TΩ (≤500V 400G, >500V 1TΩ)
Display	9999
Range	Auto, Manual and Nominal
Display result	show、current、resistance、peak value & sorting result
Speed	**Auto range mode** *Close due to poor contact* Slow: 2 t/s ;Medium:13 t/s ; Fast:18 t/s *Open due to poor contact* Slow: 1.9 t/s; Medium:11 t/s ; Fast:15 t/s **Manual range mode** *Close due to poor contact* Slow: 2.2 t/s ;Medium:18 t/s ; Fast:29 t/s *Open due to poor contact* Slow: 2 t/s; Medium:15 t/s ; Fast:22 t/s

Calibration	open -circuit zero-adjust for all range
	Quantity 5 groups **Unified setting** Discharge time: 10ms~10s **Independent setting** Charging time: 100ms~99s, Measurement time: 100ms~99s Comparator: 0-10G Ω
Comparator	OK NG LO NG HI
Contact checker	CC.HL: HIGH/LOW bad contact CC.H: HIGH bad contact CC.L: Poor contact on LOW terminal
Interface	Handler, RS232, USB, RS485
Others	LCD 3.5 inch display
Accessories	ATL507 three-terminal test clip ATL108 RS232 communication cable