AT 515 PRECISION RESISTANCE METER

CHINESE/ENGLISH OPERATION
264 (W) * 107 (H) * 350 (D)
UNIT: mm
Weight: 4kg

MEASURING RANGE
0.1μΩ~1.2GΩ

- 14 speed comparator
- 4.5ms sampling rate, 220 t/s
- Support for Modbus and SCPI communication protocols

Pioneer six and a half digits

The AT515 precision resistance meter adopts a high-performance ARM microprocessor controlled micro desktop instrument for fully automatic real-time detection.

The latest testing principle developed by Applent Instrument has achieved an accuracy of 0.02% and a testing range of 0.1 μΩ~1.2GΩ. Breakthrough technology can achieve a 6.5-bit display with 1200000 readings and a maximum sampling speed of 220 t/s (with a sampling period of only 4.5ms).



Power Supply 220VAC 50Hz Power: max 20VA

The instrument has a built-in temperature compensation interface to compensate for errors caused by temperature rise. The instrument is equipped with an enhanced comparator that can set the trigger edge and has 10 qualified levels. All qualified levels and HI/IN/LO signals can be output through the Handler interface.

MODEL	AT515
Parameter	DC resistance
Accuracy	0.02%
Measurement Range	0.1μΩ ~ 1.2GΩ
Signal Source	Current: 1μA~1A
Range	12 ranges ,auto & manual
Speed	Slow: 2 t/s (500ms); Medium: 10 t/s (100ms); Fast: 50 t/s (20ms) High speed: 130 t/s (7.7ms); Ultra high-speed: 220 t/s (4.5ms)
Result Display	Show / ΔABS / Δ% and sorting results
Max display	1,200,000
Calibration	Short circuit zero correction for all range
Comparator	30 groups record, display & output NG-LO, OK-IN, NG-HI Beep and volume adjustment
Trigger	Internal / Manual / External / Remote
Interface	RS232C, Handler (PLC),Temperature compensation interface
Test terminal	4 terminal shielding (2 check & 2 driving terminals) external shielding ground section
Temperature Compensation	Accuracy: 0.2 ° C , Range: 0 ~ 80° C
Protocol	SCPI、Modbus
Files	Automatic parameter saving
Accessories	ATL501A Kelvin clip ; ATL108 RS232 communication cable ; ATL18B20 Temperature probe
Optional Attachment	ATL620 meter resistance 4 -terminal clamp fixture