

AT515 PRECISION RESISTANCE METER

CHINESE/ENGLISH
OPERATION

264 (W) * 107 (H) * 350 (D)
UNIT: mm

Weight: 4kg

Measurement range

0.1 $\mu\Omega$ ~1.2G Ω

Pioneer six and a half digits

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

The AT515 precision resistance tester 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 $\mu\Omega$ ~1.2G Ω . Breakthrough technology can achieve a 6.5-bit display with 1200000 readings and a maximum sampling speed of 220 times/second (with a sampling period of only 4.5ms).

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



■ Power Supply 220VAC 50Hz Power: maximum 20VA

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	0.1 $\mu\Omega$ ~ 1.2G Ω
Signal Source	Current: 1 μ A~1A
Range	12 range ,auto & manual
Speed	Low: 2 times/sec (500ms) ; Medium: 10 times/sec (100ms) ; Fast: 50 times/sec (20ms) ; High speed: 130 times/sec (7.7ms) ; Ultra high-speed: 220 times/sec (4.5ms)
Result Display	Show / Δ ABS / 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
Programming Language	SCPI, Modbus
Files	Automatic parameter saving
Accessories	ATL501A Kelvin clip ; ATL108 RS232 communication cable ; ATL18B20 Temperature probe
Optional	ATL620 meter resistance 4 -terminal clamp fixture