

# AT 517 DC RESISTANCE TESTER

## Poor contact detection

### Measurement range

0.001mΩ~2.2000MΩ

The AT517 series resistance tester is a micro desktop instrument that uses high-performance ARM microprocessors to control fully automatic real-time detection. The instrument has an accuracy of 0.05% and a measurement range of 1u Ω~2M Ω. With 22000 readings, the measurement speed can reach 60 times/second.

The instrument has a built-in temperature compensation interface to compensate for errors caused by room temperature. The instrument is equipped with a built-in 10 level comparator output, which can set up to 6 qualified levels, and all level comparator results can be output through the Handler interface. The instrument is equipped with an RS-232 interface as standard, and uses SCPI (Standard Command for Programmable Instrument) and Modbus RTU protocol to communicate with computers, PLCs, or WINCE devices, efficiently

- 6-speed sorting function
- 3.5 inch true color LCD display screen

CHINESE/ENGLISH  
OPERATION

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

Weight: 5kg



Power Supply 220VAC 50/60Hz Power: maximum 20VA

completing remote control and data collection functions.

The instrument comes standard with a USB interface, which can simplify the communication between the computer and the instrument. The instrument comes standard with RS-485 interface and supports Modbus RTU protocol, making it very convenient to communicate with PLC.

MODEL	AT517
Parameter	DC resistance
Accuracy	0.05%
Measurement range	0.001mΩ~2.2000MΩ
Signal source	Max current: <1A
Range	9 range auto, manual & nominal
Speed	Slow:3 t/s , Medium: 12 t/s , Fast:60 t/s
Display result	show、ΔABS、Δ% & sorting result
Max display	22000
Calibration	Short circuit zero correction for all range
Comparator	GD、NG
Trigger	Internal、External
Test lead	4 terminal shielding( 2 check & 2 driving terminal) external shielding ground section
Temperature compensation	Accuracy: 0.2 °C ; Range: 0 ~ 80° C
Interface	Handler Port ;RS232 ; USB ; RS485 ; temperature compensation interface
Others	Color TFT-LCD display ; data hold function
Accessories	ATL527 Kelvin test leads; Power line ; ATL108 RS232 communication cable
Options	ATL620 Meter -resistance Fixture