NEW product

AT513 FOUR PROBE SQUARE RESISTANCE TESTER

MEASUREMENT RANGE
200mΩ~200kΩ

CHINESE/ENGLISH OPERATION
264 (W) * 107 (H) * 350 (D)
UNIT: mm
Weight: 4.5kg

MEASUREMENT OF RESISTIVITY OF CONDUCTIVE THIN FILMS AND RESISTANCE OF SEMICONDUCTOR MATERIALS AND BLOCKS

The AT513 four probe method improves measurement accuracy by separating current and voltage measurements, eliminating the influence of contact resistance. It can also reduce the interference of background signals, especially when measuring low resistivity materials, the influence of background signals will be significantly reduced. AT513 is suitable for various materials, including metals, semiconductors, insulators, and composite materials. Especially for thin film materials, the four probe method can accurately measure their resistivity without being affected by sample thickness. Just lightly touch the surface of the sample without causing physical damage, suitable for measuring various sensitive materials.



Power Supply 100-240VAC 50Hz

The AT513 four probe square resistance tester comes standard with LAN interface, RS-232 interface, and RS-485 interface. It uses SCPI and Modbus RTU protocols to communicate with computers, PLCs, or WINCE devices, efficiently completing remote control and data acquisition functions.

MODEL	AT513
Measurement parameters	Resistance, resistivity, square resistance, conductivity (customized according to requirements)
Channel	Single channel (customizable with multiple channels)
Measurement range	200mΩ~200kΩ
Resistance accuracy	0.2%
Square resistance/resistivity accuracy	2%-2.5%
Range	Seven ranges and manual
Test speed	2s/time
Maximum reading	200kΩm
Trigger	nternal trigger, external trigger
Test end	Four terminal testing
Comparator	Upper limit/lower limit/disable comparator
Beep	Qualified (GD), Unqualified (NG), and Off settings.
Interface	Handler ,RS232, LAN, RS485,Type-C
Other	True color 5-inch TFT-LCD display with capacitive touch screen, keyboard lock
Accessories	ATL513 four wire probe