NEW product

AT 51160

MULTI-CHANNEL DC LOW RESISTANCE METER

CHINESE/ENGLISH OPERATION

485 (W) * 129 (H) * 371 (D)
UNIT: mm

Weight: 5kg

Measuring range 1μΩ~2MΩ

High precision and fast response

160 channels

Parallel scanning test

- Supports mixed testing of devices with different resistance values
- Number of modules can be selected according to application requirements
- Intelligent sorting and contact check

The AT51160 multi-channel DC low resistance meter is a highly efficient and accurate 160-channel resistance testing device, specially designed for batch testing. It supports 10-module parallel scanning and can complete all channel tests in as fast as 1.1 seconds. Its measurement range covers 1μΩ to 2MΩ, with an accuracy of up to 0.05%. It features an integrated intelligent comparator that can automatically sort qualified products (OK/LO/HI), with independent comparator settings for each channel and contact failure detection. It supports RS-232/485, LAN remote control, and USB data storage, and is compatible with SCPI and Modbus protocols, making it easy to integrate into automated production lines. Whether it's electronic component quality inspection, PCB testing, or industrial line integration, the AT51160 provides fast and reliable solutions. It is safe and easy to operate, meeting the needs of multiple scenarios with a single device.



Power Supply 198V-240VAC 50Hz Power: 20VA

MODEL	AT51160
Channel	160 channels, 10x16 parallel scanning (the number of channels can be customized, increasing by 16 for each increment, up to a maximum of 160 channels)
Parameter	DC resistance
Measurement Range	1μΩ ~2MΩ
Accuracy	0.05%
Range	Auto，manual，nominal
Speed	60ms/channel（manual）
Display results	Direct reading display
Calibration	Short circuit zero correction for all range
Max reading	22,000
Speed	Slow mode: 3.5s/160 channels; Medium speed: 1.9s/160 channels; Fast mode: 1.1s/160 channels
Comparator	Trigger
Trigger	Internal, External
Beep	Off, Pass, Fail
Interface	RS-232C/485 (SCPI instruction set)/Modbus; LAN
Test lead	4 terminal test
Comparator	Independent setting for each channel; Absolute value tolerance ±TOL; Percentage tolerance %TOL; Direct reading value comparison
Others	5-inch true color TFT-LCD display: Adjustable upper and lower limit of resistance; Keyboard lock
Accessories	Equipped according to the actual number of channels. Test cable