AT 51X8/51X2

MULTI-CHANNEL DC RESISTANCE METER

CHINESE/ENGLISH OPERATION
264 (W) * 107 (H) * 350 (D)
UNIT: mm
Weight: 5kg

Measuring range
10μΩ~30kΩ

- Parallel high-speed measurement
- 3.5 inch true color LCD display screen

Simultaneous display of multiple resistors

The AT51X8 multi-channel resistance meter is a micro desktop instrument that uses high-performance ARM microprocessors and FPGA parallel control for fully automatic real-time detection.

Initiated real-time measurement of 8-channel resistance in parallel and displayed on the screen simultaneously. Each channel has an accuracy of 0.05% and measurement range of 10μΩ~30kΩ. The resistance value of each channel is displayed in 5 digits, with a reading of 30000. Thanks to FPGA control technology, it only takes 50ms to complete 8-channel measurements and display measurement results while meeting accuracy requirements.



Power Supply 220VAC 50Hz
Power: maximum 20VA

Each channel of the instrument has independent comparator settings, the results of the 8-channel comparator are output through the Handler . The instrument comes standard with RS-232 interface, Handler, and temperature compensation interface.

MODEL	AT51X8	AT51X2
Parameter	DC resistance	
Channel	8 channels（parallel）	2 channels（parallel）
Measurement Range	10μΩ ~30kΩ	1μΩ ~30mΩ
Accuracy	0.05%	
Signal source	Max current：<1A	
Range	Using 6-range testing, it is possible to test 10 μΩ~30k Ω resistance. Range manual.	Using 1 range testing, it is possible to test 1 μ Ω~30m Ω resistance. Range:automatic, manual, and nominal.
Speed	Full channel open and manual range mode Slow：330ms/8 channels;Medium：90ms/8channel Fast：50ms/8channel ;Extreme：35ms/8channel	Full channel open and manual range mode; Slow：3t/2channel ; Medium：10t/2channel ;Fast：30t/2channel
Display	Direct reading	
Calibration	Short circuit zero correction for all range	
Max reading	30,000	
Beep	OFF,OK,NG	
Comparator	Each channel can set and output independently	
Trigger	Internal ; External ; Manual	
Interface	RS-232C （SCPI）； USB、HANDLER(PLC)； Temperature compensation interface	
Test lead	4 terminal shield for each channel（2 check & 2 driving terminal）and external shielding ground section	
Others	Resistance upper & low limit set ;parallel super high-speed; measurement ;Keyboard lock	
Accessories	ATL503 Kelvin clip ; ATL108 RS232 communication cable	