

# AT51X8/51X2

## MULTI-CHANNEL DC RESISTANCE METER

CHINESE/ENGLISH  
OPERATION

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

Weight: 5kg

### Measuring range

$10\mu\Omega\sim 30k\Omega$

### Simultaneous display of multiple resistors

The AT51X8 multi-channel resistance tester 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  $10\mu\Omega\sim 30k\Omega$ . 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.

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



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

Power Supply 220VAC 50Hz  
Power: maximum 20VA

MODEL	AT51X8	AT51X2
Parameter	DC resistance	
Channel	8 channels ( parallel)	2 channels ( parallel)
Measurement Range	$10\mu\Omega\sim 30k\Omega$	$1\mu\Omega\sim 30m\Omega$
Accuracy	0.05%	
Signal source	Max current: <1A	
Range	Using 6-range testing, it is possible to test $10\mu\Omega\sim 30k\Omega$ resistance. Range manual.	Using 1 range testing, it is possible to test $1\mu\Omega\sim 30m\Omega$ 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	