Model AX-9203B Ultra-High Speed Network Resistance Checker

Best suitable for network resistor, sorting machine for multiple tip resistor, and taping machine

- Ultra-High Speed:about 1msec per point (including Contact Check)
- Contact check:100Ω
- Measuring range:0.01Ω～10MΩ
- 4 Terminal Measurement (0～less than 99.9kΩ), 2 or 4 Terminal Measurement (More than 100kΩ)
- Available to make Short Check
- GO/NG by Built-in Digital Comparator
- Available to make Tracking Check
- Measuring of different value network resistance and different deviation value are possible
- Can be fixed only for multiple (stand-alone) mode

Specifications

Measuring range and Accuracy（at23℃±5℃）

Measuring range	Measuring current	Resolution Accuracy [Slow]			
		SLOW [±9.99%]	FAST [±9.99%]	SLOW [±99.9%]	FAST [±99.9%]
0.01Ω～　　1Ω	100mA	within ±α±0.03%±1d	within ±α±0.05%±2d	within ±α±0.1%±1d	within ±α±0.2%±2d
1Ω～　　10Ω	50mA	within ±0.03%±1d	within ±0.05%±n2d	within ±0.1%±1d	within ±0.2%±1d
10.1Ω～　100Ω	5mA				
101Ω～　　1kΩ	5mA				
1.01kΩ～　10kΩ	500μA				
10.1kΩ～　100kΩ	50μA				
101kΩ～　　1MΩ	5μA		within ±0.1%±n2d		within ±0.1%±n2d
1.01MΩ～　10MΩ	0.5μA	within ±0.1%±1d	-----		-----
mΩ CHECK (0～999mΩ)	50mA	within　0.2%±2d	within 0.3%±2d	within 0.2%±2d	within 0.3%±2d

※n:FAST2=1/FAST1=2, d:digits　　※The above accuracy is a dynamic accuracy switched by scanner.　　α:±0.1×100/setting value(mΩ)

Measuring method	Less than 99.9kΩ/4 terminals, More than 100kΩ/2 or 4 terminals
Setting range of judging value for resistance measurement	±9.99% Measuring [±9.99% for both upper and lower limit]/ ±99.9% Measuring [±99.9% for both upper and lower limit]
Setting range of tracking judging value	0.01%～9.99% (Judging function:Available ON/OFF)
Resistance element number to be able to measure	Common type:9 elements/Independent type: 5 elements (Available 19 elements and up to 10 elements by option)
Measuring time	Common type (8 elements:less than 10kΩ) FAST-1: about 8msec (Including Time of Contact Check)
	Independent type (4 elemtns:less than 10kΩ) FAST-1: about 5msec (Including Time of Contact Check and Short Check)
Check function	Contact-Check	Check is made if the measuring terminal is good condition for measurement (In case of 4 terminal measurement).
	Short-Check	Check is made the insulation between adjoining pins.
	Open-Check	Check is made Open between the designated pins after the measurement.
Operation condition	[Temp.] +5℃～+40℃　　[Humidity] less than 85%
Power supply	AC100V～240V selectable, 50/60Hz, about 30VA
Outer dimension	about 333 (W) ×149 (H) ×323 (D) mm (excluding cable-spool and legs.)
Weight	about 6kg

The Outline

　AX-9203B measures Network Resistor and Resistor-Array from 0.01Ω to 10MΩ at Ultra-high speed and high accuracy, the measured value is compared with the allowable value set in advance and is judged. This instrument is built in 4 kinds of standard program for circuit pattern of network resistor and it available to easily set the test contents at very simple operation by the circuit pattern shown on LCD display with back light. And also, by Matrix-Scanner Circuit used semiconductor relay of Max. 10 channels, it is possible tom measure Max. 9 elements for common type and 5 elements for independent type at ultra-high speed and high accuracy.(Available to have 20 channeles as option) It is possible to voluntarily set the position of input pin. As the contact-check function is equipped as standard, even if contact error was happened on one piece of measuring terminal when 4 terminal measurement is made, the judged signal is output and the contact error is output at the same time. The judging function is judged the upper and lower limit against element unit in module, and it is possible to make trucking judgement (Difference between Max. and Mini Values) as to the all of elements inside of module. It is available to make the Short Check for independent type network resistor, the Common-Line Check for common type network resistor and the Mis-Setting Check of pin number. And also, this checker has low-power measuring specifications for measurement of resistor more than 1/32W type. It is available to have interface for external equipment by RS-232C as option.

Remarks	AX-9203B（10 Channels:Standard Type） AX-9203B（20 channels:Special Type）	Option	● GP-IB Interface ● RS-232C Interface *Either one interface can built-in the option above.