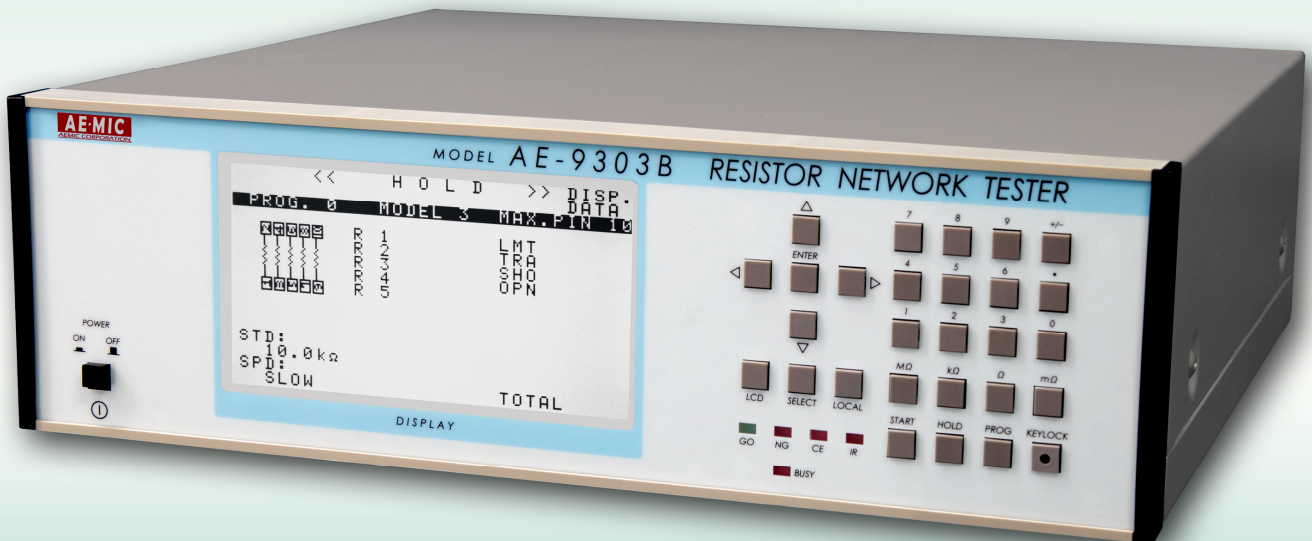


Model **AE-9303B** Ultra-High Speed Resistor Network Tester

- Ultra-High Speed: about 1msec per point(including Contact Check)
- Contact Check: Contact error is not output in case of $<100\Omega$ and available to normally measure.
- Measuring range: $0.01\Omega \sim 10M\Omega$
- 4Terminal Measurement($0 \sim$ less than $99.9k\Omega$)
2Terminal Measurement(More than $100k\Omega$)
- 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.
- RS-232C/GP-IB interface.【Option】



AEMIC CORPORATION,

Model AE-9303B Ultra-High Speed Resistor Network Tester

SPECIFICATIONS

Measuring range and Accuracy(at 23°C±5°C)

Measuring Range	Test Current	Accuracy			
		SLOW[±9.99%]	FAST[±9.99%]	SLOW[±99.9%]	FAST[±99.9%]
0.01 Ω ~ 1 Ω	100mA	within α±0.03%±1d	within α±0.05%±2d	within α±0.1%±1d	within α±0.2%±1d
1.01 Ω ~ 10 Ω	50mA	within±0.03%±1d	within ±0.05%±2d	within ±0.1%±1d	within±0.2%±1d
10.1 Ω ~ 100 Ω	5mA				
101 Ω ~ 1k Ω	5mA				
1.01k Ω ~ 10k Ω	0.5mA				
10.1k Ω ~ 100k Ω	50 μ A		within ±0.1%±2d		
101k Ω ~ 1M Ω	5 μ A		---		---
1.01M Ω ~ 10M Ω	0.5 μ A	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 n : Averaging time(msec.), α=±0.1×100/setting value(mΩ) ,

※The above accuracy is dynamic accuracy through scanner.

Measuring method	:Less than 99.9k Ω /4 terminals, More than 100k Ω /2 terminals or 4 terminals
Setting range of tracking judging 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(Option: Available to have 19 elements and 10 elements)
Measuring time	
	:Common type:(8 elements:less than 10k Ω) Fast-1:about 8msec.(including Time of Contact Check)
	:Independent type:(4 elements:less than 10k Ω) 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°C~+40°C、 Humidity:below 70%
Power supply	:AC85V~265V、 50~60Hz、 about 50VA
Outer dimension	:333(W)×99(H)×300(D)mm [excluding protruding parts such as rubber legs, etc.]
Weight	:about 4.5kg

● AE-9303B(10 Channels:Standard Type)
● AE-9303B(20 Channels:Special Type)
● RS-232C Interface(Option)
● GP-IB Interface(Option)
● Short termination(Zero ohm standard resistor)

AEMIC CORPORATION,

34, Higashikoyanouchicho, Takeda, Fushimi-ku, Kyoto, 612-8448, Japan

TEL: 075-612-0710 FAX: 075-612-0750

E-Mail: sales@ae-mic.com

http://www.ae-mic.com