Model AX-901 Digital Variable resistor Noise Checker

Narrow margin (Δ TR) measurement for all resistance value of rheostat



- Contact check function built-in
- All resistance value (∆TR) Can be measured by deviation value [±99.9%]
- Possible to measure of "intensive contact resistance" (Rc)
- The "NOISE VALUE" can be measured by the AC/DC mode.
- AC noise (ENR) (Peak hold)
- DC noise (CRV) (Peak hold)
- The measurement of Rc and noise can select ON/OFF

Specifications

Range	Measuring range (STD setting range)	Measuring current	Measuring voltage	Accuracy
100 Ω	10Ω∼ 99Ω	10mA ~ 100mA	1~10V	±0.2%±1digit
1kΩ	100Ω∼ 990Ω	5mA∼ 50mA		
10kΩ	1kΩ ~ 9.9kΩ	0.5mA∼ 5mA		
100kΩ	10kΩ∼ 99kΩ	500 μ A∼ 0.5mA		
1 M Ω	100kΩ ~ 990kΩ	5 μ A~ 50 μ A		
10M Q	1MO ~ 10MO	05#A~ 5#A		+0.3% +1digit

WIP. R Measurement (Rc/ENR/CRV)

Range	Measuring range	Accuracy
100Ω		[n-1
1kΩ	Against STANDARD +0.0%∼+19.9%	[Rc] ±0.3%±1digit [ENR] ±2.0%±1digit [CRV] ±0.5%±1digit
10kΩ		
100kΩ		
1ΜΩ		
10ΜΩ		±0.5%±1digit

XUnder 1.0% of the measured indication value for ENR∕CRN is not targetted the measuring accuracy

Measuring time				
Measuring item	External start time	Measure by "Free run"		
ΔTR	about 23.5msec.	about 21 times per second		
ΔTR+Rc	about 43msec.	about 15 times per second		
Δ TR+Rc+ENR/CRV	Above time + noise measuring time ※1	Above time + noise measuring time ※2		

- XThe above measurement time is in a case of zero setup fot DELAY TIME on each range. The setup for each range is available up to 99msec.
- leph1 Noise measuring time (ENR/CRV), arbitrary time to operate the wiper from the second start to the stop signal.
- ※2 The setup time for sample time (SPL) of parameter setup item is to be a measuring time of (ENR/CRV) Default: 2 seconds

Completion of the measurement signal (EOC) Pulse width	1msec. ~199msec. [000] Continuous Output when setting	
Measuring method	4-terminal measurement	
Comparator setting range	Δ TR: +LIMIT +0.0%~+99.9% -LIMIT -0.0%~-99.9% Rc, ENR, CRV: +LIMIT +0.0%~+19.9%	
Operation condition	[Temp.] +5°C~+40°C [Humidity] less than 85%	
Power supply	AC100V~240V selectable, 50/60Hz, about 30VA	
Outer dimension	about 333 (W) \times 99 (H) \times 300 (D) mm (excluding protruding parts such as rubber legs, etc.)	
Weight	about 4kg	

The Outline

AX-901 can measures not only "ALL RESISTANCE VALUE" (DeltaR) of variable resistor but also "LUMPED CONTACT RESISTANCE" (Rc) when wiper is stationary. And also AX-901 can measures to change element (DC/AC) in contact resistance continuously generated by movement wiper. (AC noise is called "ENR" / DC noise is alled "CRV")

The measuring display part can display two items of DeltaTR [$\pm 99.9\%$] and by switching Rc/ENR/CRV [19.9%].



- GP-IB Interface
 RS-232C Interface
- Printer output (8 bit parallel Centronics)
- *Either one interface can built-in the option above.

Printer cable