

# AX-124N

1kHz, Digital MILLI OHM Meter, 19.99m (F.S) ~ 199.9 (F.S),  
Built-in Limit Comparator



Measuring range : 0.00m to 199.9

BCD parallel out available

External DC bias possible(max. DC25V)

## THE OUTLINE

Digital 1kHz m Meter, Model AX-124N is capable of measuring very low resistance by alternative current signal of 1kHz in high sampling speed. The measured value is compared with the set value by a built-in digital comparator and the comparison result is indicated by LO, GO or HI display and a buzzer, and output by open collector.

The instrument is suitable for contact resistance measurement of relay, switches, Connectors, etc. and internal resistance measurement of batteries etc.

As the synchronous detecting method is applied, the instrument measures the pure resistance only even when series inductance exists. Because only less than 20mV peak voltage is impressed even when the terminals are opened, destroy of oxidized membrane can be avoided.

## SPECIFICATIONS

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

Range	Measuring range	Resolution	Measuring current	Accuracy
20m	0.00m ~ 19.99m	10 μ	100mA r.m.s.	Within ± (0.3% of rdg + 50 μ + 2digit)
200m	0.0m ~ 199.9m	100 μ	10mA r.m.s.	
2	0.000 ~ 1.999	1m	1mA r.m.s.	
20	0.00 ~ 19.99	10m	100 μ A r.m.s.	
200	0.0 ~ 199.9	100m	10 μ A r.m.s.	

Measuring method	4-terminal measuring method		
Measuring frequency	1kHz ± 5%, sine wave form		
Voltage at terminals open	below 20mV at peak		
Measuring response time	Within 0.5sec.		
Sampling time	Free running mode	12.5 times per second	
	Remote start mode	80 msec.	
Comparator set range	3 1/2Digit(1999) both for high and low limit		
Indication of comparator's comparison result	LO/GO/HI LED display and buzzer		
Control signal	remote start input		
	comparison output : LO/GO/HI	] open collector 50/100mA(max.)	
	end of comparison output : EOC		
	output of measured value in BCD parallel	] fan out : 2	
	print command output		
	output of comparison result		
Operation condition	[Temp.] +0 ~ +40	[Humidity] below 85%	
Power supply	AC100V/117V/220V/240V switchable, 50/60Hz, below 30VA		
Outer dimension	260(W) × 90(H) × 250(D)mm (excluding protruding parts such as rubber legs, etc.)		
Weight	about 2.6kg		