Model **AX-124N** 1kHz, Digital MILLI OHM Meter

LED display shows [LO] [GO] [HI] indication installed digital comparator

- Resolution : 10 μ Ω
- Maximum measurement range : 199.9 Ω
- Measurement signal : 1kHz
- 4-terminal measurement
- A/D conversion method type double integral
- Digital comparator and BCD parallel out available

Specifications

Measuring range and Accuracy (at23℃±5℃)

Range	Measuring range	Resolution	Measuring current	Accuracy
20mΩ	0.00mΩ～19.99mΩ	10μΩ	100mA	within ± (0.3%rdg+50μΩ+2digit)
200mΩ	0.0mΩ～199.9mΩ	100μΩ	10mA	
2Ω	0.000Ω～ 1.999Ω	1mΩ	1mA	
20Ω	0.00Ω～ 19.99Ω	10mΩ	100μA	
200Ω	0.0Ω～ 199.9Ω	100mΩ	10μA	

Test signal	1kHz ±5% sine wave/applied voltage less than 20mV
Measuring method	4-terminal measurement
Sampling time	[Free running mode] 12.5 times/sec.
	[Remote start mode] 80msec.
Measuring response time	about 0.5sec.
Comparator set range	0000～1999 both for high and low limit
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	remote start input
	comparison output [LO/GO/HI] : open collector : max.50V, 100mA
	end of comparison output [EOC] : open collector : max.50V, 100mA
	measured value in BCD parallel (fan out 2)
	print command (fan out 2)
	range (fan out 2)
Power supply	AC100V～240V selectable, 50/60Hz, less than about 15VA
Outer dimension	about 260 (W) ×90 (H) ×250 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 2.2kg

The Outline

Digital OHM Meter, AX-124N outputs to judge the lowest resistance value for LO, GO, HI built-in digital comparator to conduct digital measurement, 1kHz AC signal.

Built-in buzzer, it is the best suitable for the inspection of a contact resistance such as relay, switch, and connector and internal resistance of battery.

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

Option