

Model **AX-122N** Digital Resistance Percentage Checker (8 range)

LED indication [-NG] [GO] [+NG] built-in digital comparator



- Measuring range : 0.1 Ω ~ 9.99M Ω ± 99.9%
- 4-terminal measurement
- High speed dual slope A/D converting method.
- Percentage indication by digital setup for standard resistance value
- Built-in digital comparator
- BCD parallel out
- Temperature compensation (T.C) function of the copper wire (Sensor: Option)

Specifications

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

Range	Measuring range	Measuring current	Accuracy
1 Ω	0.1 Ω ~ 0.999 Ω	DC100mA	within ±0.3% ±1digit
10 Ω	1 Ω ~ 9.99 Ω	DC100mA	within ±0.2% ±1digit
100 Ω	10 Ω ~ 99.9 Ω	DC10mA	
1k Ω	100 Ω ~ 999 Ω	DC5mA	
10k Ω	1k Ω ~ 9.99k Ω	DC500 μA	
100k Ω	10k Ω ~ 99.9k Ω	DC50 μA	
1M Ω	100k Ω ~ 999k Ω	DC5 μA	within ±0.3% ±1digit
10M Ω	1M Ω ~ 9.99M Ω	DC0.5 μA	

Open-circuit voltage of measuring terminal	less than 15V
Measuring method	4-terminal measurement
Sampling time	[Auto] 12.5 times/sec. (Power 50Hz), 15 times/sec. (Power 60Hz)
	[Remote start mode] 80msec. (Power 50Hz), 66.7msec. (Power 60Hz)
Measured value display range (deviation)	-99.9% ~ +99.9%
Comparator set range	upper limit: +0.0% ~ +99.9%, lower limit: -0.0% ~ -99.9%
Indication of comparator's comparison result	LED indication -NG/GO/+NG and buzzer
I/O signals	remote start input
	comparison output (-NG/GO/+NG): open collector: max.80V, 100mA
	Completion of the measurement signal (EOC): open collector max.80V, 100mA
	measured value in BCD parallel (fan out 2)
	standard value in BCD parallel (fan out 2)
Power supply	AC100V ~ 240V selectable, 50/60Hz, about 15VA
Outer dimension	about 260 (W) × 90 (H) × 250 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 2.6kg

The Outline

Model AX-122N, digital ohmmeter, can be percentage measurement from 0.1 Ω to 9.99M Ω of resistance value.

The unit is indicated the measurement value for digital displayed by high-speed double integral type analog to digital conversion system, and outputs a signal outside to judge -NG, GO, and +NG installing with comparator.

Option