Model AX-114N Low Cost, High accuracy, Digital DC OHM Meter

LED indication [LO] [GO] [HI] Built-in digital comparator

- Resolution：10μΩ
- Maximum measurement range：19.999MΩ
- 4-terminal measurement
- High speed dual slope A/D converting method.
- Digital comparator and BCD Parallel Data out
- The temperature compensating function for copper wire is equipped as standard. (T.C) （Sensor：Option）
- BCD Parallel Data out available

Specifications

Measuring range and Accuracy（at23℃±5℃）

Range	Measuring range	Resolution	Measuring current	Accuracy
200mΩ	10μΩ～199.99mΩ	10μΩ	DC100mA	within ±0.05% of rdg ±3digit
2Ω	100μΩ～ 1.9999Ω	100μΩ	DC10mA	within ±0.05% of rdg ±3digit
20Ω	1mΩ～ 19.999Ω	1mΩ	DC10mA	within ±0.025% of rdg ±3digit
200Ω	10mΩ～ 199.99Ω	10mΩ	DC5mA	within ±0.025% of rdg ±3digit
2kΩ	100mΩ～ 1.9999kΩ	100mΩ	DC5mA	within ±0.025% of rdg ±3digit
20kΩ	1Ω～ 19.999kΩ	1Ω	DC500μA	within ±0.025% of rdg ±3digit
200kΩ	10Ω～ 199.99kΩ	10Ω	DC50μA	within ±0.025% of rdg ±3digit
2MΩ	100Ω～1.9999MΩ	100Ω	DC5μA	within ±0.025% of rdg ±3digit
20MΩ	1kΩ～19.999MΩ	1kΩ	DC0.5μA	within ±0.05% of rdg ±3digit

Measuring method	4-terminal measurement
Sampling time	[Free running mode] 10.5 times/sec.
	[Remote start mode] 80msec. (Power 50Hz), 66.7msec. (Power 60Hz)
Comparator set range	Both upper and lower limit 4½ digit (19999)
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	comparison output (LO/GO/HI)：open collector max.80V, 100mA
	Completion of the measurement signal (EOC)：open collector max.80V, 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, 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-114N, digital ohmmeter, can easily measure every resistance from 10μΩ to 19.999MΩ.
Built-in comparator, it can be informed the judgment result by LED indication for LO, GO, HI, and buzzer, also can be printed out.

Option