

Model

AX-1155B

Low Test Current DC Low-OHM Meter

Best suitable for auto measurement for DCR of tip inductor/ fuse resistance value



- Measuring range: [% Measurement] 1mΩ ~ 9.99mΩ / ±50.0%
10mΩ ~ 10kΩ / ±50.00%
[mΩ measurement] 0.00mΩ ~ 15.000kΩ %
- Measurement not to influenced by thermoelectromotive force.
- Available to measure without error by relay time setup each range
- Circuit designed to eliminate contact error as much as possible
- Contact-check is equipped as standard function.
- Comparison result by built-in comparator is open-collector output and displayed by LED and buzzer.
- GP-IB/RS-232C/Centronics output available. (Option)
- Measuring current/voltage-check are built-in as standard function.

Specifications

Measuring range and Accuracy (at23°C±5°C)

Range	Measuring range	Measuring current	Accuracy [Slow]
100mΩ	0.00mΩ ~ 150.00mΩ	100mA	within ±0.02%rdg±10 μ Ω ±3digit [Average] ±4digit [Slow] ±5digit [Fast]
1Ω	0.0000Ω ~ 1.5000Ω	10mA	
10Ω	0.000Ω ~ 15.000Ω	1mA	
100Ω	0.00Ω ~ 150.00Ω	1mA	
1kΩ	0.0Ω ~ 1500.0Ω	1mA	
10kΩ	0Ω ~ 15000Ω	0.1mA	
%	1mΩ ~ 9.99mΩ / ±50.0%	Refer to the above	within [(Range/Standard) /5] × 0.01% ± β digit
	10mΩ ~ 10kΩ / ±50.00%		within [(Range/Standard) /5] × 0.01% ± α digit

※ β : Average=1 Slow=2 Fast=3 α : Average=3 Slow=4 Fast=5

Open-circuit voltage of measuring terminal	about 8V
Measuring method	4-terminal measurement (with contact check)
Sampling time	[Free running mode] 2~9 times per second (standard setting)
	[Remote start mode] about 18.6msec./31.1msec. (standard setting)
Comparator set range	[mΩ measurement] 0~15000 both the upper and lower limit.
	[% measurement] ±50.00% both the upper and lower limit. (Standard 100~999: ±50.0%)
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	Remote start input: "L" [0V] → "H" [DC12V] start
	Trimming signal: Open and "H" [DC12V]: Free run/"L" [0V] : Hold
	comparison output [LO/GO/HI]: Open-collector output max.40V, 100mA
	contact error output [CE]: Open-collector output max.40V, 100mA
	end of comparison output [EOC]: Open-collector output max.40V, 100mA
Operation condition	[Temp.] +5°C ~ +40°C [Humidity] less than 85%
Power supply	AC100V~240V selectable, 50/60Hz, about 60VA
Outer dimension	about 333 (W) × 99 (H) × 300 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 3.8kg

The Outline

AX-1155B is available to measure the super-low resistance with high speed and high accuracy from 0.00mΩ to 15.000Ω (% measurement : 1mΩ ~ 10kΩ)
In addition, it is possible tom make the measurement the measuring object accumulately and stable, because they have DOUBLE MEASURING MODE and special AUTO-ZERO circuit that it is available to measure them after cancellation of thermoelectromotive force for error factor when the measurement is made low-resistance especially.

This checker is displayed the measured value, judged HI, GO, and LO, and then the signal is output.
The measuring speed is changeable and it is selectable AVERAGE/DOUBLE/SLOW etc.
And as CONTACT CHECK CIRCUIT and measuring current/abnormal voltage check circuit are equiped as standard, this checker become higher the confidence.
And it is available to equip the interface of GP-IB, RS-232C, or Centro Output as optional function.

Option

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

● Printer cable