

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] 1m $\Omega$  ~ 9.99m $\Omega$  /  $\pm$ 50.0%  
10m $\Omega$  ~ 10k $\Omega$  /  $\pm$ 50.00%  
[m $\Omega$  measurement] 0.00m $\Omega$  ~ 15.00k $\Omega$  %
- 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 $\pm$ 5°C)

Range	Measuring range	Measuring current	Accuracy [Slow]
100m $\Omega$	0.00m $\Omega$ ~ 150.00m $\Omega$	100mA	within $\pm$ 0.02%rdg $\pm$ 10 $\mu$ $\Omega$ $\pm$ 3digit [Average] $\pm$ 4digit [Slow] $\pm$ 5digit [Fast]
1 $\Omega$	0.0000 $\Omega$ ~ 1.5000 $\Omega$	10mA	
10 $\Omega$	0.000 $\Omega$ ~ 15.000 $\Omega$	1mA	
100 $\Omega$	0.00 $\Omega$ ~ 150.0 $\Omega$	1mA	
1k $\Omega$	0.0 $\Omega$ ~ 1500.0 $\Omega$	1mA	
10k $\Omega$	0 $\Omega$ ~ 15000 $\Omega$	0.1mA	
%	1m $\Omega$ ~ 9.99m $\Omega$ / $\pm$ 50.0%	Refer to the above	within [(Range/Standard) /5] $\times$ 0.01% $\pm$ $\beta$ digit
	10m $\Omega$ ~ 10k $\Omega$ / $\pm$ 50.00%		within [(Range/Standard) /5] $\times$ 0.01% $\pm$ $\alpha$ digit

※  $\beta$  : Average=1 Slow=2 Fast=3  $\alpha$  : 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	[m $\Omega$ measurement] 0~15000 both the upper and lower limit. [% measurement] $\pm$ 50.00% both the upper and lower limit. (Standard 100~999: $\pm$ 50.0%)
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	Remote start input: "L" [0V] $\rightarrow$ "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) $\times$ 99 (H) $\times$ 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 0.00m $\Omega$  to 15.000 $\Omega$  (% measurement : 1m $\Omega$  ~ 10k $\Omega$ )  
In addition, it is possible to 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 equipped 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