

model AE-1155D Low Test Current DC Low Ohm METER

Optimum for the auto measurement of Chip inductor, Fuse etc.

- Measurement not influenced by thermal electro motive force.
- Impressed the measuring current at pulse interval, in order to reduce abrasion of measuring terminal.
- Contact-check is equipped as standard function.
- Measuring range :0.000m Ω ~ 15.000k Ω
- Available to measure the percent the set reference value :
0.5m Ω ~ 1k Ω / $\pm 50.00\%$ [Minimum resolution of 50n Ω]
- Available to measure the percent the set reference value:
1m Ω ~ 9.99m Ω $\pm 50.0\%$ / 10m Ω ~ 10k Ω $\pm 50.00\%$
- RS-232C, GP-IB and Centronics output available. [option]
- Comparison result by built-in comparator is open-collector output and displayed as LO, GO, HI by LED and buzzer.
- Measuring current/voltage-check are built-in as standard function.
- Available to shift output.



AEMIC CORPORATION,

model **AE-1155D** Low Test Current DC Low Ohm METER

SPECIFICATIONS

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

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

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

Voltage at terminals open :	below 9V
Measuring method :	4-terminal measurement with contact check.
Measuring time :	【Free running mode】 2~10times/sec. 【Remote start mode】 about 9msec~400msec.
Comparator setting range :	mΩ test mode: 0~15000[both for the upper and lower limit] % test mode : ±50.0% [1mΩ~9.99mΩ] / ±50.00% [10mΩ~10kΩ]
Indication comparator's comparison result :	LO/GO/HI, LED display and buzzer.
Control signal :	input: START "L"[0V]→"H"[DC12V]⇒start HOLD open or "H"[DC12V]⇒freerun / "L"[0V]⇒hold output LO/GO/HI, CONT-E and EOC/ open collector[40V/100mA max.]
Operation condition :	【Temp.】 5°C~+40°C、【Humidity】 below 85%
Outer dimension :	333(W)×99(H)×300(D)mm 【excluding protruding parts such as rubber legs, etc.】
Weight :	about 3kg
Power supply :	AC85V~265V、50~60Hz、about 60VA
Option :	RS-232C Interface
[Only one kind of interface can be provided with the checker]	GP-IB Interface Printer output[8 bit parallel Centronics]

O p t i o n	● RS-232	Only one kind of interface can be provided with the checker.
	● GP-IB	
	● Printer output[Centronics]	
	● Printer Cable	
	● Short termination(Zero ohm standard resistor)	

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