

model AE-1152F Ultra Low Ohm METER

Optimum for the auto measurement of Ultra-low Resistor.

- Available to measure the percent the set reference value :
0.01m Ω ~ 1k Ω / \pm 50.00% [Minimum resolution of 1n Ω]
- Measuring range : 0.0000m Ω ~ 1.5000k Ω
- Measurement not to influenced by thermal electro motive force.
- Impressed the measuring current at pulse interval.
- Contact-check is equipped as standard function.
- 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,

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SPECIFICATIONS

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

Range	Measuring range	Resolution	Measuring current	Accuracy
1mΩ	0.0000mΩ ~ 1.5000mΩ	0.1μΩ	3A	within ±(0.01%rdg+0.3μΩ) ±3digits[Average] ±4digits[Slow] ±5digits[Fast]
10mΩ	0.000mΩ ~ 15.000mΩ	1μΩ	1A	
100mΩ	0.00mΩ ~ 150.00mΩ	10μΩ	100mA	
1Ω	0.0000Ω ~ 1.5000Ω	100μΩ		
10Ω	0.000Ω ~ 15.000Ω	1mΩ	10mA	
100Ω	0.00Ω ~ 150.00Ω	10mΩ	1mA	
1kΩ	0.0000kΩ ~ 1.5000kΩ	100mΩ	1mA	Refer to the instruction manual
%	0.01mΩ~1.0000kΩ/±50.00%	0.01%[1nΩ]	Mentioned above	

Voltage at terminals open :	below 5V
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 : 50.00%[low limit:0~-50.00%、 high limit:0~+50.00%]
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 GP-IB Interface Printer output[8 bit parallel Centronics]
[Only one kind of interface can be provided with the checker]	

O p t i o n	● RS-232C	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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