AE·MIC
AEMIC CORPORATION

model AE-1136D Digital Thermistor Checker

7 Rank sorting By Comparison With External Standard

- Available to make % measurement against standard value at room temperature regardless of temperature characteristic in comparison with external standard-thermistor.
- Possible to reduce error of the measured value for Self-heating on the measuring object by pulse impress of low measuring power(Within 150 μ W)
- Measurement not influenced by thermal electro motive force.
- Impressed the measuring current at pulse interval, in order to reduce abrasion. of measuring terminal.
- Available to measure the resistance value of external standard or to measure the resistance value of the measuring object.
- Available to calibrate the difference(±9.999%) on resistance value of external standard and to correctly measure the measuring object.
- Contact-check is equipped as standard function.
- Measuring range :1Ω～5MΩ/±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.

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SPECIFICATIONS

Measuring range and Accuracy (at 23℃±5℃)

Range	Measuring range	Resolution	Test Current	Accuracy	Display
10Ω	0.000Ω～15.000Ω	1mΩ	3mA	±0.03%±2digit 以内[Slow]/5digit 以内[Fast]	15000
100Ω	0.00Ω～150.00Ω	10mΩ	1mA		
1kΩ	0.0000kΩ～1.5000kΩ	100mΩ	300μA	±0.02%±2digit 以内[Slow]	
10kΩ	0.000kΩ～15.000kΩ	1Ω	100μA	/5digit 以内[Fast]	
100kΩ	0.00kΩ～150.00kΩ	10Ω	10μA		
1MΩ	0.0000MΩ～1.5000MΩ	100Ω	1μA	±0.02%±3digit 以内[Slow] /6digit 以内[Fast]	
5MΩ	0.000MΩ～5.000MΩ	1kΩ	1μA	±0.02%±5digit 以内[Slow] /10digit 以内[Fast]	
%	1Ω～5MΩ	0.01%	-ditto-	Refer to the instruction manual	±50.00%

Voltage at terminals open :	below 9V
Measuring method :	4-terminal measurement. Scanning of Rs/Rx, Available to make contact-check of Rs and Rx.
Measuring time :	【Free running mode】 10 times/sec.[Fast],5 times/sec.[Slow] 【Remote start mode】 about 7msec.[Fast] , 23～27msec.[Slow](Difference by range and mode.)
Comparator setting range :	Rs/Rx test mode: 0～15000[both for the upper and lower limit] % test mode : ±50.0%[both for the upper and lower limit]
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℃～+40℃、【Humidity】 below 85%
Outer dimension :	333(W)×99(H)×300(D)mm【excluding protruding parts such as rubber legs, etc.】
Weight :	about 2.6kg
Power supply :	AC85V～265V、50～60Hz、about 60VA
Option : [Only one kind of interface can be provided with the checker]	RS-232C Interface GP-IB Interface Printer output[8 bit parallel Centronics]

Option	● RS-232C	Only one kind of interface can be provided with the checker.
	● GP-IB	
	● Printer output[Centronics]	
	● Printer Cable	

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