

model AE-1152D DC Low Ohm METER

Optimum for the auto measurement of Ultra-low Resistor.

- Measurement not to influenced by thermal electro motive force.
- Impressed the measuring current at pulse interval.
- Contact-check is equipped as standard function.
- Measuring range :0.0000m Ω ~ 1.5000k Ω
- Available to measure the percent the set reference value :
0.1m Ω ~ 1k Ω / $\pm 50.00\%$ [Minimum resolution of 10n Ω]
- 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+1μΩ) ±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 | | |
| 100Ω | 0.00Ω～150.00Ω | 10mΩ | | |
| 1kΩ | 0.0000kΩ～1.5000kΩ | 100mΩ | 10mA | |
| | | | 1mA | |
| % | 0.1mΩ～1.0000kΩ/±50.00% | 0.01%[10nΩ] | Mentioned above | Refer to the instruction manual |

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|---|--|
| 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 |
| [Only one kind of interface can be provided with the checker] | GP-IB Interface |
| | Printer output[8 bit parallel Centronics] |

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|--------|---|--|
| Option | ● 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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