

model AE-1154D Low Ohm Trimming Meter

Most suitable to Trimming ultra-low resistance for shunt-resistor

- Auto correcting function of trimming value.
- Measurement not to 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 :0.0000mΩ ~ 1.5000kΩ
- Available to measure the percent the set reference value :
0.1mΩ ~ 1kΩ /-99.99%~+50.00%[Minimum resolution of 10nΩ]
- RS-232C and GP-IB[option]
- Comparison result by built-in comparator is open-collector output and displayed as LO,GO,HI by LED and buzzer.
- Measuring current-check are built-in as standard function.



AEMIC CORPORATION,

Model AE-1154D Low Ohm Trimming Meter

SPECIFICATIONS

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

| Range | Measuring range | Resolution | Measuring current | Accuracy |
|-------|--------------------------------|-------------|-------------------|--|
| 1mΩ | 0.0000mΩ ~ 1.5000mΩ | 0.1μΩ | 1A | within ±(0.01%rdg+1μΩ) ±3digits[Average] ±4digits[Slow] ±5digits[Fast] |
| 10mΩ | 0.000mΩ ~ 15.000mΩ | 1μΩ | | |
| 100mΩ | 0.00mΩ ~ 150.00mΩ | 10μΩ | 300mA | |
| 1Ω | 0.0000Ω ~ 1.5000Ω | 100μΩ | 100mA | |
| 10Ω | 0.000Ω ~ 15.000Ω | 1mΩ | 10mA | |
| 100Ω | 0.00Ω ~ 150.00Ω | 10mΩ | 1mA | |
| 1kΩ | 0.0000kΩ ~ 1.5000kΩ | 100mΩ | | |
| % | 0.1mΩ~1.0000kΩ/-99.99%~+50.00% | 0.01%[10nΩ] | Mentioned above | Refer to the instruction manual |

| | |
|---|---|
| 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. [Trimming mode] 1msec.~100msec. |
| Comparator setting range : | mΩ test mode: 0~15000[both for the upper and lower limit] % test mode: -99.99~+50.00%[both for the upper and lower limit] |
| Indication comparator's comparison result : | LO/GO/HI, LED display and buzzer. |
| Control signal : | Input : Remote start, Remote trimming start, Output: Trimming speed mode Trimming-NG Trimming-End Contact-Error End of comparison |
| 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 |

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

AEMIC CORPORATION,

34, Higashikoyanouchicho, Takeda, Fushimi-ku, Kyoto, 612-8448, Japan

TEL: +81-75-612-0710 FAX: +81-75-612-0750

E-Mail: sales@ae-mic.com

http://www.ae-mic.com