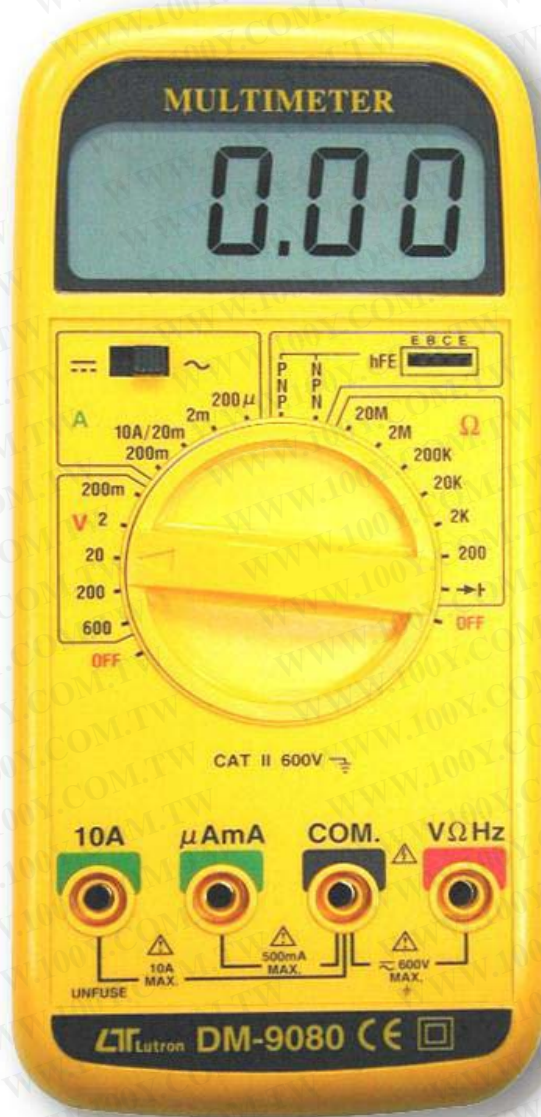


DCV, ACV, ohms, DCA, ACA, hFE, Diode

DMM

Model : DM-9080

ISO-9001, CE, IEC1010



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



LUTRON ELECTRONIC

The Art of Measurement

DIGITAL MULTIMETER

Model : DM-9080

1. FEATURES

- * Multi-function measurement : ACV, DCV, ACA, DCA, OHMS, DIODE, hFE.
- * Rotary function switch, easy operation.
- * Large size LCD display.
- * meet IEC safety requirement, & approval.
- * Built in overload protection for any ranges.
- * Fuse for overload protection.

2. SPECIFICATIONS

2-1 General Specifications

| | |
|----------------------|--|
| Display | 18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits, Max. indication 1999. |
| Measurement | DCV, ACV, DCA, ACA, ohms, hFE, DIODE. |
| Polarity | Automatic Switching '-' indicates negative polarity. |
| Zero Adjustment | Automatic. |
| Over - input | display shows '1' or '-1' |
| Sampling Time | Approx. 0.4 second. |
| Operating Temp. | 0 °C to 50 °C (32 °F to 122 °F). |
| Operating Humidity | Max. 80% RH. |
| Power Supply | 006P DC 9V battery (heavy duty type). |
| Power Consumption | Approx. DC 3.6 mA. |
| Dimension | 185x87x39 mm (7.3x3.4x1.5 inch). |
| Weight | 322 g/0.71 lb. (including battery). |
| Standard Accessories | Red and Black Test Leads 1 pair. 0.5 Amp Spare Fuse 1 PC. Instruction Manual 1 PC. |

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2-2 Electrical Specifications (23± 5°C)

| DC VOLTAGE | | | | |
|------------|-------------|------------|-----------------|---------------------------------|
| RANGE | ACCURACY | RESOLUTION | INPUT IMPEDANCE | OVERLOAD PROTECTION |
| 200mV | ± (0.5%+1d) | 100uV | 10M ohm | 500V DC, 350V AC, 15 secs |
| 2V | ± (0.8%+1d) | 1mV | | DC 600V AC 600V |
| 20V | | 10mV | | |
| 200V | | 100mV | | |
| 6000V | | 1V | | |

| AC VOLTAGE * FREQUENCY RESPONSE: 40Hz-500Hz, SINE WAVE SPEC. TESTED ON 60Hz/50Hz | | | | | |
|---|-----------|------------|-----------------|--------------------------------|-------|
| RANGE | ACCURACY | RESOLUTION | INPUT IMPEDANCE | OVERLOAD PROTECTION | |
| 200mV | ± (1%+2d) | 100uV | 10M ohm | 500 AV, 350V AC, 15 secs | |
| 2V | | 1mV | | DC 600V AC 600V | |
| (0.01V-2V) | | 10mV | | | |
| 20V | | | | | 100mV |
| 200V | | | | | 1V |
| 600V | | | | | |

| AC/DC CURRENT * FREQUENCY RESPONSE: 40Hz-500Hz, SINE WAVE SPEC. TESTED ON 60Hz/50Hz | | | | |
|--|--|------------|-----------------|---------------------|
| RANGE | ACCURACY | RESOLUTION | VOLTAGE DROP | OVERLOAD PROTECTION |
| 200uA | DCA: ± (1%+1d) | 0.1uA | ACA: AC200mV | 0.5 A Fuse |
| 2mA | | 1uA | | |
| 20mA | ACA: ± (1.2%+2d) | 10uA | | |
| 200mA | | 100uA | | |
| 10A | DCA: ± (1.5%+2d) ACA: ± (1.5%+3d) | 10mA | DCA: DC200mV | UNFUSED |

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| RESISTANCE | | | | |
|-------------------|-------------|------------|-----------------------|--|
| RANGE | ACCURACY | RESOLUTION | OPEN CKT. VOLTAGE | OVERLOAD PROTECTION |
| 200 ohm | ± (1%+3d) | 0.1 ohm | 3 V Max. | AC 500V DC 500V (Protected by PTC) |
| 2K | | 1 ohm | | |
| 20K | ± (0.8%+1d) | 10 ohm | APPROX. 0.3 V Max. | |
| 200K | | 100 ohm | | |
| 2000K | | 1K ohm | | |
| 20M | ± (2%+2d) | 10K ohm | | |

| DIODE TEST |
|--|
| OPEN CIRCUIT VOLTAGE IS APPROX. DC 3V Max. |

| TRANSISTOR hFE MEASUREMENT |
|--|
| 0 - 1000 hFE VALUES FO EITHER P.N.P. OR N.P.N. TRANSISTOR (TEST CONDITION: BASE DC CURRENT APPROX. 10uA, VCE: APPROX. 2.8V) |

3. Optional Accessories and Adapters

| | |
|------------------------|--------------------------------|
| Carry case | CA-03 |
| Carry case | CA-05A |
| Plug | PL-03 |
| Test Lead | TL-02AS |
| DCA. ACA CLAMP ADAPTER | CA-501, CA-502, CA-202, CA-203 |
| TACHOMETER ADAPTER | TA-601 |
| PRESSURE ADAPTER | PS-403 |
| HUMIDITY ADAPTER | HS-702 |
| SOUND ADAPTER | SL-406 |
| ANEMOMETER ADAPTER | AM-402 |
| LIGHT ADAPTER | LX-02 |
| EMF ADAPTER | EMF-824 |
| HIGH VOLTAGE PROBE | HV-40 |

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