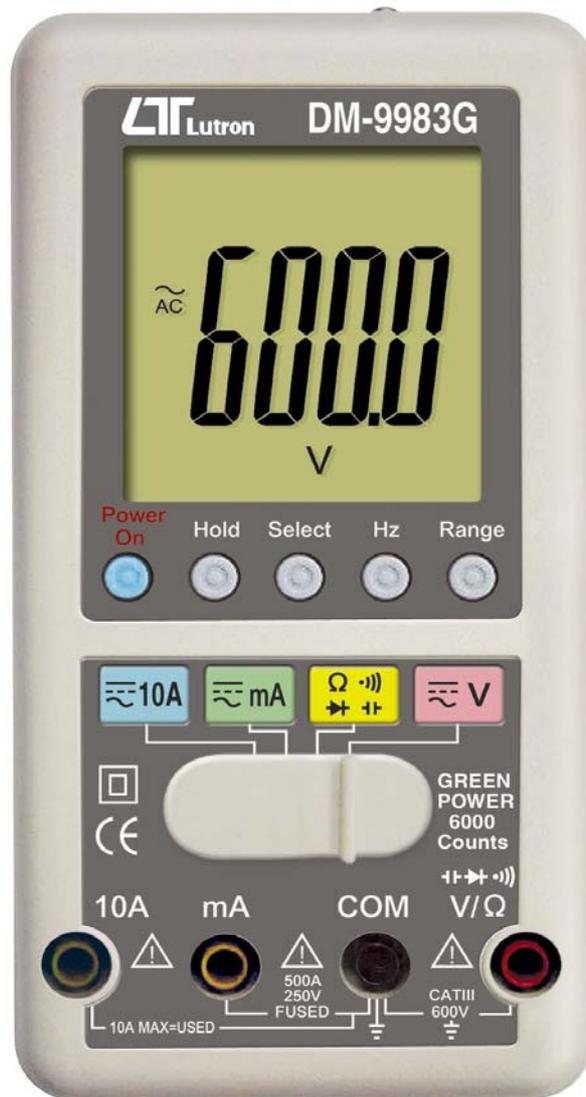


NO battery, Hybrid power, Innovation, Patent

GREEN POWER SMART MULTIMETER

Model : DM-9983G

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

Green power, hybrid power

SMART MULTIMETER

Model : DM-9983G

FEATURES

| |
|---|
| * Green power, battery is no need, power supply from the handy generator, operate the generator 10 to 20 seconds will offer 10 minutes energy typically. |
| * Hybrid power, meter also can supply by the battery. |
| * Meet CAT III-600 V. |
| * 6000 counts A/D, high resolution. |
| * ACV, ACA, DCV, DCA, ohms, continuity, Hz, Capacitance, Diode, Data hold. |
| * Smart function, Auto range or manual range with hold. |
| * Smart operation, Build in 4 intelligent function : " V ", " Ω ", " mA ". " 10A " . |
| * " V " function can select ACV, DCV automatically with auto range. |
| * " Ω " function can select the Resistance , Diode, Continuity beeper, Capacitance automatically with auto range. |
| * " 10A " " mA " function can measure ACA, DCA with auto range. |
| * Data hold (auto range). |
| * Auto shut off is available to save battery life. |
| * Both 10 A, mA current range are build fuses for safety consideration. |
| * 10 M ohm impedance for voltage circuit. |
| * Built-in overload protection for most ranges. |
| * LSI circuit provides high reliability and durability. |
| * Patent. |
| * Uses durable, long-lasting components, enclosed in strong, light weight ABS-plastic housing. |
| * Full line optional adapters : Clamp adapter, Tachometer adapter, Pressure adapter, Humidity Adapter, Sound level adapter, Anemometer adapter, Light adapter, EMF adapter. |

| | |
|----------------------|---|
| Power consumption | DC 3 mA. |
| Weight | 340 g/0.75 LB. |
| Dimension | 152 x 78 x 45 mm (6.0 x 3.1 x 1.8 inch) |
| Accessories Included | Red and Black Test Leads..... 1 Set Instruction Manual..... 1 PC |
| Optional accessories | Full line adapters : * ACA/DCA current adapter : CA-502, CA-203, CA-501 * ACA current adapter : CA-201 * Pressure adapter : PS-403 * Light adapter : LX-02 * EMF adapter : EMF-824 * Sound level adapter : SL-406 * High voltage probe : HV-40 |

ELECTRICAL SPECIFICATIONS (23± 5°C)

| DC/AC Voltage * auto range | |
|-----------------------------------|--|
| Range | 6 V /60 V/600 V |
| Resolution | 0.001 V /0.01 V/0.1 V |
| Accuracy | DCV : ± (1 % + 2d) ACV : ± (1.2 % + 5d) |
| Input impedance | 10 M ohm. |
| Over load protection | AC/DC 600 V. |
| Remark | * The input impedance is 10 Mega ohm. * ACV specification be tested on sine wave 50/60 Hz. * For smart function ,the ACV start measurement voltage is larger than 400 mV ± 100 mV. |

GENERAL SPECIFICATIONS

| | |
|------------------------------|--|
| Green power and Hybrid power | * Green power, battery is no need, power supply from the handy generator, operate 10 to 20 seconds the generator will offer 10 minutes energy typically. * Hybrid power, meter also can supply by the battery power. |
| Display | 46 mm x 45 mm large LCD display. |
| Measurement | ACV, ACA, DCV, DCA, ohms, continuity beeper, Hz, Capacitance, Diode, Data hold. |
| A/D counts no. | 6000 counts. |
| Range selection | Smart function, auto range or manual range selecting. |
| Smart function | " V " function can select ACV, DCV automatically with auto range. " Ω " function can select the Resistance, Diode, Continuity beeper, Capacitance automatically with auto range. " 10A " " mA " function can measure ACA, DCA with auto range. |
| Data hold | To freeze the display reading on the LCD display. * Available for auto range only. |
| Power On/Off management | If meter is not operated within 3 minutes will auto power switch off. |
| Polarity | Automatic Switching, " - " indicates negative polarity. |
| Zero adjustment | Automatic. |
| Sampling time | Approx. 0.5 to 1 second. |
| Operating Temperature | 0 to 50 °C (32 to 122 °F). |
| Operating humidity | Less than 80% RH. |
| Power Supply | Green power : Power from the handy generator, battery is no need. Battery power : DC3V battery (CR-2032) x 2 PCs. |

| DC/AC Current * auto range | | |
|-----------------------------------|---|-----------------|
| Range | mA range | 600 mA/60 mA |
| | 10 A range | 10A |
| Resolution | mA range | 0.1 mA/0.01 mA |
| | 10 A range | 0.01 A |
| Accuracy | mA range | ± (1.2% + 2d) |
| | 10 A range | ± (1.5% + 2d) |
| Over load protection | mA range | 630 mA fuse |
| | 10 A range | 10 A fuse |
| Remark | * ACA specification be tested on sine wave 50/60 Hz. * For smart function ,the ACA start measurement is 10 A range : 1.50 A. mA range : 1.50 mA. | |

| OHMS * auto range | |
|--------------------------|----------------------------|
| Range | 600/6 K/60 K/600 K/6 M ohm |
| Resolution | 0.1/1/10/100/1 K ohm |
| Accuracy | ± (1% + 3d) |
| Over load protection | ± 350 DCV, 350 ACV |

| Capacitance * auto range | |
|---------------------------------|--|
| Range | 6 nF/60 nF/600 nF/6 uF/60 uF |
| Resolution | 0.001 nF/0.01 nF/0.1 nF/0.001 uF/0.01 uF |
| Accuracy | ± (3% + 5d) |
| Remark | Discharge capacitor before testing. |

| Frequency | |
|----------------------|-----------------|
| Range | 40 Hz to 1 KHz. |
| Resolution | 1 Hz. |
| Accuracy | ± (0.3% + 2d) |
| Input impedance | 10 M ohm. |
| Over load protection | AC/DC 600 V. |

| Diode | |
|--|--|
| Short/non conductance, good/defect test. | |

| Continuity | |
|--|--|
| If measuring resistance is less than 10 ohm, the beeper will sound . | |

| | | | |
|--------|---|--|------------------|
| PATENT | CHINA : ZL200620012764.3 JAPAN : 3130269 | GERMANY : Nr.202006007329.9 U.S.A. : PATENT PENDING | TAIWAN : M299401 |
|--------|---|--|------------------|

* Appearance and specifications listed in this brochure are subject to change without notice.

1106-DM9983G