Watt, Leakage current , ACV, DCV, DCV, ohms, Beeper

WATT/Leakage METER

Model: DW-6160 *ISO-9001, CE, IEC1010*









The Art of Measurement

WATT/Leakage METER

Model: DW-6160

FEATURES

| * Professional WATT meter with Leakage current tester, | | |
|---|--|--|
| digital display , battery operated. | | |
| * LSI - circuit provides high reliability and durability. | | |

* Measurement:

WATT (AC): 2500 W x 0.1 W/1 W.

Leakage current (AC mA): 20.00 mA x 0.01 mA.

ACV: 600.0 V x 0.01 V/0.1 V. ACA: 10.00 A x 0.001 A/0.01 A. DCV: 600.0 V x 0.01 V/0.1 V.

ohm: 2 K ohm x 0.001 K ohm, 20 K ohm x 0.01 K ohm

* Low Watt measurement, 1.0 to 999.9 Watt x 0.1 Watt.

st True Power and wide range , 0 to 2500 Watt .

* True RMS ACV, ACA measurement.

Leakage current (AC mA) detection.

* Auto range.

Continuity beeper.

* Large LCD , dual value display with backlight.

* Memory Record (Max., Min.).

* Data Hold.

* RS232/USB computer interface.

* Power: DC 1.5V (UM-3, AA) x 8 PCs or DC 9V adapter in.

GENERAL SPECIFICATIONS

| Circuit | Circuit Custom one-chip of microprocessor LSI | | | |
|------------------------------------|--|-----------------------------------|--|--|
| Circuit | · | | | |
| Display | circuit. LCD display, max. reading 5999. | | | |
| Display | 74x47 mm. | | | |
| | | | | |
| | | Dual value display with backlight | | |
| Measurement | ACV | 0.1 to 600.0 V | | |
| | DCV | 0.1 to 600.0V | | |
| | Ω | 0.001 kΩ to 20.00 kΩ | | |
| | WATT | 0.1 W to 2500 W | | |
| | Leakage | 0.01m A to 20.00 m A | | |
| | current | | | |
| | ACA | 0.001A to 10.00 A | | |
| Over input | | indication . | | |
| Polarity | ** | | | |
| | reverse po | | | |
| Zero | Automatic | adjustment. | | |
| Adjustment | | | | |
| Sampling Time | Approx. 1. | 5 second. | | |
| Data Hold | Freeze the | display reading. | | |
| Memory Recall | Maximum | & Minimum value. | | |
| Data Output | RS 232/US | B PC computer interface. | | |
| | * Connect | the optional RS232 cable | | |
| | UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug. 0 to 50 ℃. | | | |
| | | | | |
| | | | | |
| Operating | | | | |
| Temperature | | | | |
| Operating | Less than 80% R.H. | | | |
| Humidity | Less than 60 70 Kini | | | |
| Power Supply | ply * Alkaline or heavy duty DC 1.5 V battery | | | |
| (UM3, AA) x 8 PCs, or equivalent | | | | |
| | * DC 9V a | dapter input. (AC/DC power | | |
| | adapter is optional). | | | |
| Power | Approx. DC 33 mA. | | | |
| Consumption | i ipproxi be as in ii | | | |
| Weight | 822 g/1.82 LB. | | | |
| Dimension | 224 x 125 x 65 mm | | | |
| | (8.8 x 4.8 x 2.5 inch) | | | |
| Accessories | * Instruction manual | | | |
| Included | * Test lead (Red and Black) | | | |
| Optional | * AC to DC 9V adapter. | | | |
| Accessories | * USB cable, USB-01. | | | |
| | | able, UPCB-02. | | |
| | 1.0252 00 | 20.0, 0. 00 02. | | |
| L | | | | |

| Optional | * Data Acquisition software, | |
|-------------|------------------------------|--|
| Accessories | SW-U801-WIN. | |
| | * Hard carrying case, CA-08 | |

ELECTRICAL SPECIFICATIONS (23 \pm 5 $^{\circ}$ C)

AC / DC VOLTAGE

| Range | Resolution | Accuracy |
|-------------------|------------|---------------------------|
| 0.01 V to 99.99 V | 0.01 V | ACV: ± (1 % + 5d) |
| | | $DCV : \pm (0.8 \% + 5d)$ |
| 100.0 V to 600 V | 0.1 V | ACV: ± (1 %+5d) |
| | | $DCV : \pm (0.8 \% + 5d)$ |

- * Measuring Signals come from the front panel terminals.
- * Auto range.
- * Max. input voltage: AC 600 V, DC 600 V.
- ACV accuracy is test under input signal is sine wave, 50/60 Hz
- * ACV frequency response is from 40 to 400 Hz.
- * ACV is true rms measurement.

OHMS (Resistance)

| Range | Resolution | Accuracy |
|-------|------------|--------------|
| 2 ΚΩ | 1 Ω | ± (1 % + 1d) |
| 20 ΚΩ | 10 Ω | ± (1 % + 1d) |

- * Auto range.
- * Continuity beeper : $< 4 \Omega$.
- * Overload Rating: AC / DC 600V at 20 second Max

WATT (true power)

| Range | Resolution | Accuracy |
|----------------|------------|----------------|
| 1000 W | 0.1 W | ± (1.5 % + 5d) |
| 1001 to 2500 W | 1 W | ± (1.5 % + 5d) |

* 0.1 W resolution : Input voltage < 200 AVC or Input current < 2 ACA.

Beyond above input, the resolution will still be 1 W.

- * Measuring Signals come from the top power plug input...
- * Accuracy is test under input signal is sine wave, 50/60 Hz
- * ACV, ACA frequency response is from 40 to 400 Hz.
- * Max. input voltage: AC voltage 250 V, AC current: 10 A.

Leakage (AC mA)

| Range | Resolution | Accuracy |
|---|------------|--------------|
| 0 to 20 mA | 0.01 mA | ± (1 % + 5d) |
| * The leakage current that sense between the " Hot line " and the " | | |

The leakage current that sense between the "Hot line "and the "Earth" of the measuring installation that connect to the output "Power plug"

V, A (true rms)

| Range | Resolution | Accuracy |
|-----------|---------------|-------------------|
| ACV 250 V | 0.01 V/0.1 V | ± (1 % + 5d) |
| ACA 10 A | 0.001 A/0.01A | $\pm (1 \% + 3d)$ |

- * ACV, 0.01 V resolution is valid from 0.01 V to 99.99 V. ACV, 0.1 V resolution is valid from > 100.0 V.
- * ACA, 0.001 A resolution is valid from 0.001 A to 1.999 A. ACA, 0.01 A resolution is valid from > 2 A.
- Measuring signals come from the top power plug input (power source).
- * Auto range.
- * ACV, ACA accuracy is test under input signal is sine wave, 50/60 Hz
- * ACV, ACA frequency response is from 40 to 400 Hz.
- * ACV, ACA is true rms measurement..
- * Max. input voltage: AC voltage 250 V, AC current: 10 A.

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