

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

WATT/Leakage METER

Model : DW-6160

ISO-9001, CE, IEC1010

www.yalab.com.tw

02-2389-0101



Lutron

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The Art of Measurement

WATT/Leakage METER

Model : DW-6160

FEATURES

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|---|
| * 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. |
| * 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

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|-----------------------|--|
| Circuit | Custom one-chip of microprocessor LSI circuit. |
| Display | LCD display, max. reading 5999. Digit size : 74x47 mm. Dual value display with backlight |
| Measurement | ACV 0.1 to 600.0 V |
| | DCV 0.1 to 600.0 V |
| | Ω 0.001 kΩ to 20.00 kΩ |
| | WATT 0.1 W to 2500 W |
| | Leakage current 0.01 m A to 20.00 m A |
| ACA 0.01 A to 10.00 A | |
| Over input | ---- " mark indication . |
| Polarity | Automatic switching , "-" indicates reverse polarity. |
| Zero Adjustment | Automatic adjustment. |
| Sampling Time | Approx. 1.5 second. |
| Data Hold | Freeze the display reading. |
| Memory Recall | Maximum & Minimum value. |
| Data Output | RS 232/USB 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. |
| Operating Temperature | 0 to 50 °C. |
| Operating Humidity | Less than 80% R.H. |
| Power Supply | * Alkaline or heavy duty DC 1.5 V battery (UM3, AA) x 8 PCs, or equivalent. * DC 9V adapter input. (AC/DC power adapter is optional). |
| Power Consumption | Approx. DC 33 mA. |
| Weight | 822 g/1.82 LB. |
| Dimension | 224 x 125 x 65 mm (8.8 x 4.8 x 2.5 inch) |
| Accessories Included | * Instruction manual..... 1 PC * Test lead (Red and Black)..... 1 pair |
| Optional Accessories | * AC to DC 9V adapter. * USB cable, USB-01. * RS232 cable, UPCB-02. |

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|----------------------|---|
| Optional Accessories | * Data Acquisition software, SW-U801-WIN, SW-E802. * Hard carrying case, CA-08 |
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ELECTRICAL SPECIFICATIONS (23± 5 °C)

AC / DC VOLTAGE

| Range | Resolution | Accuracy |
|-------------------|------------|--|
| 0.01 V to 99.99 V | 0.01 V | ACV : ± (1 % + 5d) DCV : ± (0.8 % + 5d) |
| 100.0 V to 600 V | 0.1 V | ACV : ± (1 % + 5d) DCV : ± (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 KΩ | 1 Ω | ± (1 % + 1d) |
| 20 KΩ | 10 Ω | ± (1 % + 1d) |

* Auto range.

* Continuity beeper : < 4 Ω .

* 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 " 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 | ± (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.

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