

WATT, VA, Whr, Power factor, Hz, ACV, ACA, RS232 interface

# POWER ANALYZER

Model : DW-6091

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# POWER ANALYZER, Model : DW-6091

## FEATURES

|   |  |
|---|--|
| * Multi-functions : WATT, VA, Whr, Power factor, ACV, ACA, Hz.  | * Built-in data hold function.   |
|   | * RS-232 output interface.   |
| * True AC power ( Watt ) & apparent power ( VA ) measurement.   | * Exclusive custom exclusive design LSI circuit, provides high accuracy, reliability and durability. |
| * True rms display for ACV, ACA.  | * Built-in over input indication.  |
| * Supper large LCD, easy to read-out, display the Watt, Power factor, Voltage & Current value at the same time. | * Power supply by batteries.   |
|   | * Built-in low battery indicator .   |
| * Auto range.   | * Durable plastic housing case with handle.  |

## GENERAL SPECIFICATIONS

|                       |   |                      |   |
|-----------------------|---|----------------------|---|
| Display               | * 93 mm x 52 mm large LCD ( Liquid Crystal Display) display.<br>* Multi-display unit, show Watt, Volt, Ampere, Power factor or Hz at same time. | Data Output          | RS232 serial interface.   |
|                       |   | Sampling Time        | Approx. 1.5 Sec.  |
| Measurement           | WATT, VA, Whr, Power factor, ACV, ACA, Hz.  | Operating Temp.      | 0 to 50 °C ( 32 to 122 °F ).  |
|                       |   | Operating Humidity   | Less than 80 % R.H..  |
| Zero Adjustment       | <i>Watt</i> :<br>External adjustment by push button.<br><i>ACV, ACA</i> :<br>Automatic adjustment.  | Power Supply         | DC 12V, 1.5 V AA (UM-3) battery x 8 PCs.                                |
|                       |   | Power Consumption    | Approx. DC 30 mA  |
| Over input Indication | Indication of " - - - - or " - - - - .  | Dimension            | 175 x 130 x 83 mm ( 6.9 x 5.1 x 3.3 inch ).                             |
|                       |   | Weight               | 795 g ( 1.75 LB ).  |
|                       |   | Standard Accessories | Test lead ( red & black )..... 1 pair.<br>Instruction Manual..... 1 PC. |

## ELECTRICAL SPECIFICATIONS ( 23 ± 5 °C )

|   |            |  |            |
|---|------------|--|------------|
| <b>Watt ( AC, true power ),<br/>current mode from direct input</b>                          |            | <b>AC CURRENT ( true rms )<br/>current mode from direct input</b>  |            |
| Range   | Resolution | Range  | Resolution |
| 6,000 Watt  | 1 Watt     | 0.01 A to 10.00 A  | 10 mA      |
| <b>Watt ( AC, true power ),<br/>current input cooperate with CT ( current transformer )</b> |            | <b>AC CURRENT<br/>current mode from CT ( current transformer )</b> |            |
| Range   | Resolution | Range  | Resolution |
| 9,999 Watt  | 1 Watt     | CT 100/5A, 0.1 - 200.0 A   | 0.1 A      |
| 99.99 KW  | 0.01 KW    | CT 1000/5A, 1 - 2000 A   | 1 A        |
| 999.9 KW  | 0.1 KW     | <b>Watt Hour</b>   |            |
| <b>VA ( AC, Apparent Power )<br/>current mode from direct input</b>                         |            | Range  | Resolution |
| Range   | Resolution | 0.001 Whr to 9.999 Whr   | 0.001 Whr  |
| 99.99 VA  | 0.01 VA    | 10.00 Whr to 99.99 Whr   | 0.01 Whr   |
| 999.9 VA  | 0.1 VA     | 100.0 Whr to 999.9 Whr   | 0.1 Whr    |
| 6,000 VA  | 1 VA       | 1000 Whr to 9999 Whr   | 1 Whr      |
| <b>AC VOLTAGE ( true rms )</b>  |            | 10 K Whr to 99.99 K Whr  | 10 Whr     |
| Range   | Resolution | 100 K Whr to 999.9 K Whr   | 100 Whr    |
| 0.1 V to 299.9 V  | 0.1 V      | 1000 K Whr to 9999 K Whr   | 1 K Whr    |
| 300 V to 600 V  | 1 V        | <b>Hz</b>  |            |
| <b>POWER FACTOR</b>   |            | Range  | Resolution |
| Range   | Resolution | 10.0 Hz to 99.9 Hz.  | 0.1 Hz     |
| 0.01 to 1.00  | 0.01       | 100 Hz to 999 Hz.  | 1 Hz       |

## SOFTWARE & RS232 CABLE, optional

|             |  |
|-------------|--|
| RS232 cable | Model : UPCB-02, RS232 cable for connecting between the meter & the computer.  |
| Software    | Model : SW-U801-WIN, Multi channel windows version.<br>* Software apply as the performance of data logging system & data recorder... |

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

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