

99,99 x 0.01 W, 520.0 x 0.1 W, PF, ACV, ACA, Signal phase

# PRECISION WATT METER

Model : DW-6063

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

02-2389-0101



## FEATURES :

- \* 0.01 W resolution, precision Watt meter is special for low power measurement.
- \* Designed for the high resolution low power measurement.
- \* Watt, Power factor, ACV, ACA.
- \* True power ( watt ) measurement.
- \* True rms measurement for ACV, ACA.
- \* Auto range for Watt measurement :  
Range 1 : 0.00 to 99.99 W x 0.01 W.  
Range 2 : 100.0 to 520.0 W x 0.1 W.
- \* Power factor : 0.01 to 1.00 x 0.01 PF.
- \* ACV : 90.0 to 260.0 V x 0.1 V.
- \* ACA : 0 to 2.000 A x 0.001 A.
- \* ACV input impedance : 10 Mega OHM.
- \* Data Hold, Record ( Max., Min. ).
- \* RS232/USB Computer interface.
- \* Optional data Acquisition software, SW-U801-WIN, SW-E802.
- \* Optional USB cable, USB-01.

 Lutron



[www.YaLAB.com.tw](http://www.YaLAB.com.tw)

*The Art of Measurement*

**99.99 W x 0.01 W, 520.0 W x 0.1 W Power factor, ACV, ACA**

# WATT METER

**Model : DW-6063**

## FEATURES

* 0.01 W resolution, precision Watt meter is special for low power measurement.
* Designed for the high resolution low power measurement.
* LSI - circuit provides high reliability and durability.
* Directly operation.
* Measurement : WATT ( AC ) : 99.99 W x 0.01 W, 520 W x 0.1 W ACV : 260V x 0.1 V. ACA : 2 A x 1 mA / 1 A x 0.1 mA. PF : 1.00 x 0.01
* True Power and Wide range 0 W to 520 Watt.
* True RMS measurement of ACV / ACA.
* Super large LCD , Dual display at same time.
* Full function Auto range.
* Memory Record ( Max. , Min. ) , Data Hold.
* RS232 / USB Computer interface.
* Built-in low battery indicator.
* Built - in backlight easy to readout.
* Power : DC 9V ( 006P ) or AC to DC 9V adapter in.

## GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	Large LCD display max. reading 9999. Digit size : 21.8 x 8.5 mm. Dual value display with backlight
Measurement Unit	ACV 0.1 to 260.0 V ACA 0.1 mA to 2000 mA. WATT 0.01 W to 520.0 W PF 0.01 to 1.00
Over input	" ---- " mark indication .
Zero	Automatic adjustment
Sampling Time	Approx. 1 second .
Data Hold	Freeze the display reading .
Memory Recall	Maximum & Minimum value .
Data output	RS232 / 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.
Operation Temperature	0°C to 50°C ( 32°F to 122°F).
Operation Humidity	Less than 80% RH
Power Supply	Alkaline or Heavy duty type DC 9V battery 006P , MN1604 (PP3) or equivalent.
Power Consumption	Approx. DC 10 mA

Weight	398 g/0.88 LB
Dimension	190 x 88 x 40 mm ( 7.5 x 3.5 x 1.6 inch ).
Accessories Included	Instruction manual..... 1 PC Test lead (Red & Black)..... 1 Pair
Optional Accessories	AC to DC 9V adapter Holster. HS-03 SD card DATA LOGGER, DL-9602SD USB cable , USB - 01 RS232 cable , UPCB - 02 Data Acquisition software, SW-U801-WIN Excel Data Acquisition software, SW-E802

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

### WATT ( TRUE POWER )

Range	Resolution	Accuracy
520 W	0.1 W	± ( 1% + 0.5 W )
0 to 99.99 W	0.01 W	
* Auto range.		
* Measuring Signal come from the front LOAD plug terminals.		
* Accuracy is test under input signal is sine wave , 50 / 60 Hz.		
* ACV ACA frequency response is from 40 to 400 Hz.		
* Max. input value, AC voltage : 260V, AC current : 2 A.		
* Accuracy @ 23°C ±5°C.		

### V/A ( TRUE RMS )

Range	Resolution	Accuracy
ACV 260 V	0.1 V	± ( 0.3 % + 0.3 V )
ACA 1 A	0.1 mA	
ACA 2 A	1 mA	
* 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.		
* Max. input value, AC voltage : 260V, AC current : 2 A.		
* Accuracy @ 23°C ±5°C		

### PF ( Power factor )

Range	Resolution	Accuracy
1.00	0.01	± ( 1 % + 2d )
* ACV, ACA accuracy is test under input signal is sine wave, 50/ 60 Hz		
* ACV ACA frequency response is from 40 to 400 Hz.		
* Max. input value, AC voltage : 260V, AC current : 2 A.		
* Accuracy @ 23°C ±5°C		

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

1403-DW6063