

POWER ANALYZER

Model : DW-6090

ISO-9001, CE, IEC1010



FEATURES



- * Multi-functions : WATT, VA, Whr, PF (Power factor), ACV, ACA, DCV, DCA, Hz, ohm.
- * True AC power(Watt) & apparent power (VA) measurement.
- * True rms display for ACV, ACA.
- * Supper large LCD, display the Watt, Power factor, Voltage & Current value at the same time.
- * Accept inductive clamp or CT input.
- * Peak hold & data hold function.
- * Hi, low alarm setting, RS-232/



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The Art of Measurement

POWER ANALYZER, Model : DW-6090

FEATURES	
* Multi-functions : WATT, VA, Whr, Power factor ACV, ACA, DCV, DCA, Hz, ohm.	* Alarm Hi, low setting capability. * RS-232 output interface.
* True AC power measurement, not apparent power.	* Exclusive custom exclusive design LSI circuit, provides high accuracy, reliability and durability.
* True rms display for ACV, ACA.	* Built-in over input indication.
* Super large LCD, easy to read-out, display the Watt, Power factor, Voltage & Current value at the same time.	* Power supply by DC battery or AC to DC adapter.
* Current mode from direct input, inductive clamp probe or CT.	* Built-in low battery indicator .
* Auto range.	* Durable bench type housing plastic case with carrying handle.
* Built-in peak hold & data hold function.	

GENERAL SPECIFICATIONS			
Display	* 93 mm x 52 mm large LCD (Liquid Crystal Display) display panel.. * Multi-display unit, show Volt, Ampere, Watt, Power factor at same time.	Data Output	RS232 serial interface.
		Sampling Time	W, A, V - 1.5 sec. DCV, DCA - 1 sec.
		Operating Temp.	Oto 50°C (32 to 122 °F).
		Operating Humidity	Less than 80 % R.H..
Measurement	WATT, VA, Whr., Power factor ACV, ACA, DCV, DCA, Hz, ohm.	Power Supply	DC 9V, 1.5 V AA (UM-3) battery x 6 PCs.
Zero Adjustment	Watt : External adjustment. DCV, ACV, DCA, ACA: Automatic adjustment.	Power Consumption	Approx. DC 30 mA
Polarity	Automatic switching, "-" indicates reverse polarity.	Dimension	280 x 210 x 90 mm (11.0 x 8.3 x 3.5 inch).
Current input mode	Direct input, inductive clamp probe or CT.	Weight	Approx. 1,100 g (2.4 LB).
Over input Indication	Indication of " - - - " or " - - - - .	Standard Accessories	Test lead(red & black).....1 pair. Instruction Manual.....1 PC.

ELECTRICAL SPECIFICATIONS (23± 5 °C)			
Watt (AC, true power), current mode from direct input.			
Range	Resolution	Accuracy	Remark
1 Watt to 9,999 Watt	1 Watt	± (1.5 % + 1 d)	* Auto range. * Frequency Characteristic: 45 Hz-65Hz. * Accuracy is specified under input signal frequency of 50/60 Hz.
10 K Watt to 99.99 K Watt	10 Watt		
Watt (AC, true power), current from inductive probe or CT.			
Range	Resolution	Accuracy	Remark
1 Watt to 9,999 Watt	1 Watt	± (1.5 % + 1 d)	* Auto range. * Frequency Characteristic: 45 Hz-65Hz. * Accuracy is specified under input signal frequency of 50/60 Hz.
10 KW to 99.99 KW	10 Watt		
100.0 KW to 999.9 KW	0.1 kW		
1000 KW to 1999 KW	1 kW		
VA (AC), current mode from direct input			
Range	Resolution	Accuracy	Remark
0.01 VA to 99.99 VA	0.01 VA	± (1.5 % + 1 d)	* Auto range. * Frequency Characteristic: 45 Hz-65Hz. * Accuracy is specified under input signal frequency of 50/60 Hz.
100.0 VA to 999.9 VA	0.1 VA		
1000 VA to 9999 VA	1 VA		
10.00 K VA to 39.99 KVA	10 VA		
POWER FACTOR, current mode from direct input only			
Range	Resolution	Accuracy	
0.01 to 1.00	0.01	± (1.5 % + 2 d)	
AC VOLTAGE, DC VOLTAGE			
Range	Resolution	Accuracy	Input Impedance
0.1 V to 299.9 V	0.1 V	± (1 % + 1 d)	10 Mega ohm
300 V to 600 V	1 V		AC 700 V DC 1000 V
Remark : Auto range.			
AC CURRENT, DC CURRENT, current mode from direct input			
Range	Resolution	Accuracy	Voltage drop (in case of full scale)
0.01 A to 20.00 A	10 mA	± (1 % + 1 d)	2 V AC
* ACA, ACV frequency characteristic : 45 Hz to 65 Hz, specification be tested on sine wave of 50/60 Hz. * Converter response : Average responding, calibrated to display RMS value of sine wave.			
AC CURRENT DC CURRENT, current mode from inductive probe			
Range	Resolution	Accuracy	Remark
1 A to 1000 A	1 A	± (1 % + 1 d)	ACA : 1 AC mV per 1 AC ampere. DCA : 1 DC mV per 1 DC ampere.
AC CURRENT, current mode from CT (current transformer)			
Range	Resolution	Accuracy	Remark
CT 100/5A, 0.1 - 100.0 A	0.1 A	Depend the CT its own	
CT 1000/5A, 1 - 1000 A	1 A	accuracy.	
Watt Hour, current from direct input			
Range	Resolution	Accuracy	Remark
0.001 Whr to 9.999 Whr	0.001 Whr	± (1 % + 1 d)	* Auto range. * Frequency Characteristic: 45 Hz-65Hz. * Accuracy is specified under input signal frequency of 50/60 Hz.
10.00 Whr to 99.99 Whr	0.01 Whr		
100.0 Whr to 999.9 Whr	0.1 Whr		
1000 Whr to 9999 Whr	1 Whr		
10 K Whr to 99.99 K Whr	10 Whr		
100 K Whr to 999.9 K Whr	100 Whr		
1000 K Whr to 9999 K Whr	1 K Whr		
OHMS			
Range	Resolution	Accuracy	Overload Circuit Protection
1 ohm to 9,999 ohm	1 ohm	± (1 % + 1 d)	AC/DC 400V
10 K ohm to 19,99 K ohm	10 ohm		
Hz			
Range	Resolution	Accuracy	Overload Circuit Protection
10.0 Hz to 99.9 Hz.	0.1 Hz	± (1 % + 1 d)	
100 Hz to 999 Hz.	1 Hz		

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

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