



ENGLISH

Datasheet

Stock No. 123-2244

IPM 3600N

3600N 3P4W POWER ANALYZER



FEATURES

- 10 Display Easy - to - View LCD Screen.
- Connectors for 4 Current Sensing Clamps.
- 1P2W, 1P3W, 3P3W2M, 3P3W3M & 3P4W Power Measurement.
- True RMS Sensing.
- Power KW, KVAR, KVA, PF, θ, Hz, & Energy KWh, KVARh & KVAh Measurement.
- Phase sequence indicator function.

- Backlight display function.
- Manual Data Memory and Read (50 sets).
- Data Logging (4G SD CARD Memory)
- Programmable Trigger - Points and Start / Stop Time.
- USB Optical Interface with three phase voltage /current Waveform display and Harmonic analysis.
- Easy - to - use Push - Button Operation.
- Light Weight, Portable Design.

SPECIFICATIONS

AC Voltage Trms measurement (Vrms) :

Range	Resolution	Accuracy	Input impedance	Overload protection	Nominal power system frequency
10 to 999.9V	0.1V	$\pm(0.3\% \text{rdg} \pm 10 \text{dgts})$	2MΩ	1000Vrms	50Hz

AC Current Trms Measurement (Arms) :

Range	Resolution	Accuracy (including current probe)	Current probe output	Overload protection	Nominal power system frequency
10 to 299.9A	0.1A	$\pm 0.5\% \text{rdg} \pm 15 \text{dgts}$	0.35mV/A	1000Arms	50Hz
300 to 999.9A		$\pm 1.2\% \text{rdg} \pm 15 \text{dgts}$			

Active Power measurement P (KW) :

Range	Resolution	Accuracy
0.1 to 999.9KW	0.1KW	$\pm 1.0\% \text{rdg} \pm 20 \text{dgts}$ (10 to 299.9A)
		$\pm 1.5\% \text{rdg} \pm 20 \text{dgts}$ (300 to 999.9A)

Apparent Power measurement S (KVA) :

Range	Resolution	Accuracy
0.1 to 999.9KVA	0.1KVA	$\pm 1.0\% \text{rdg} \pm 20 \text{dgts}$ (10 to 299.9A) $\pm 1.5\% \text{rdg} \pm 20 \text{dgts}$ (300 to 999.9A)

Reactive Power measurement Q (KVAR) :

Range	Resolution	Accuracy
0.1 to 999.9KVAR	0.1KVAR	$\pm 1.0\% \text{rdg} \pm 20 \text{dgts}$ (10 to 299.9A) $\pm 1.5\% \text{rdg} \pm 20 \text{dgts}$ (300 to 999.9A)

Power Factor measurement (COSφ) :

Range	Resolution	Calculated Accuracy
-1 to +1	0.001	$\pm 10 \text{dgt}$

Phase angle measurement (φ) :

Range	Resolution	Calculated Accuracy
0.1° to +180° , 0.1° to -180°	0.1°	$\pm 15 \text{dgt}$

Frequency measurement (Hz) :

Range	Resolution	Accuracy	Measurement source
50Hz	0.1Hz	$\pm 0.1\% \text{rdg} \pm 2 \text{dgt}$	Voltage U1 > 50V

Three Phase Sequence Detection :

Input voltage range	Normal phase indication	Reverse phase indication	Measurement source
3P > 50V to 1000V			U1, U2 and U3

□ Active Power Energy measurement (kWh) :

Range	Resolution	Active power accuracy	Timer interval	Timer Accuracy
0.001 to 9.999KWh	0.001KWh	$\pm 1.0\% \text{rdg} \pm 20\text{dcts}$ (10 to 299.9A)	1 sec	$\pm 50\text{ppm}$ (25°C)
0.01 to 99.99KWh	0.01KWh			
0.1 to 999.9KWh	0.1KWh			
0.001 to 9.999MWh	0.001MWh			
0.01 to 30.59MWh	0.01MWh			

□ Apparent Power Energy measurement (kVAh) :

Range	Resolution	Apparent power accuracy	Timer interval	Timer Accuracy
0.001 to 9.999kVAh	0.001kVAh	$\pm 1.0\% \text{rdg} \pm 20\text{dcts}$ (10 to 299.9A)	1 sec	$\pm 50\text{ppm}$ (25°C, 77°F)
0.01 to 99.99kVAh	0.01kVAh			
0.1 to 999.9kVAh	0.1kVAh			
0.001 to 9.999MVAh	0.001MVAh			
0.01 to 30.59MVAh	0.01MVAh			

□ Reactive Power Energy measurement (kVARh) :

Range	Resolution	Reactive power accuracy	Timer interval	Timer Accuracy
0.001 to 9.999kVARh	0.001kVARh	$\pm 1.0\% \text{rdg} \pm 20\text{dcts}$ (10 to 299.9A)	1 sec	$\pm 50\text{ppm}$ (25°C, 77°F)
0.01 to 99.99kVARh	0.01kVARh			
0.1 to 999.9kVARh	0.1kVARh			
0.001 to 9.999MVARh	0.001MVARh			
0.01 to 30.59MVARh	0.01MVARh			

□ Harmonic measurement

Order	Accuracy	Harmonic Source
1 to 63	$\pm 3\%$ THD	U1, U2, U3 > 10V I1, I2, I3 > 10A

□ Waveform (possible only on a PC via a PC connection)

Select phase L1, L2 or L3.

Select Voltage and current waveform output.

GENERAL SPECIFICATIONS :

Size	235(L)x116(W)x54(H)mm (9.3" Lx4.6" Wx2.1" H)
Operating Temperature and Humidity	0°C to 50°C (32°F to 122°F) R.H. < 80% non-condensing
Storage Temperature and Humidity	-10°C to 60°C (14°F to 140°F) R.H. < 70% non-condensing
Accessories	① Instruction manual ② Software CD-ROM / Optical USB interface ③ Deluxe carrying case ④ Battery ("AA" 1.5V x 8pcs) ⑤ AC adaptor (110V→12V ; 220V→12V) ⑥ 4pcs current clamp transducer (1, 2, 3, 4 cable length 3 meters) (1000A AC, jaw opening 40mm) ⑦ 4pcs crocodiles test leads (blue, yellow, red, black, wire length 3 meters)