WIDE-BAND POWER METER

Model **WPM-4839**

Power and energy measurement accuracy of 0.25% includes the 40th harmonic of 60Hz

Selected wide-band CT's to achieve system accuracy

RS-232, RS-422, RS-485 or USB interfaces use a simple ASCII communication protocol

Multifunction Measurement

- Measures RMS voltage, RMS current, power and energy parameters for single or three phase systems
- Voltages up to 600 Vac L-L and currents up to 1000 Aac
- Remote displays available
- Up to 18 parameters may be monitored with a single unit
- Optional analog output converter

Accuracy and Durability

- Tested with 40th harmonic energy equal to 10% of the total energy with no significant deterioration in measurement accuracy
- High accuracy over a wide range of measurement
- Measures true RMS voltage and current even with the presence of harmonics (distortion)

Potential Applications

Variable-Frequency Drives

PWM-generated waveforms

Inverters

Qualification Testing

Laboratory Testing

Production Line Testing

OhioSemitronics, Inc.

4242 REYNOLDS DRIVE • HILLIARD, OHIO • 43026-1264
PHONE: (614) 777-1005 • FAX: (614) 777-4511
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08/2016

WIDE-BAND POWER METER

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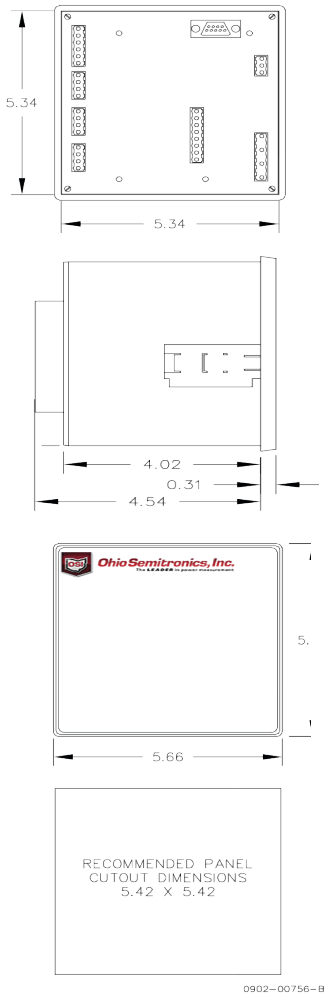
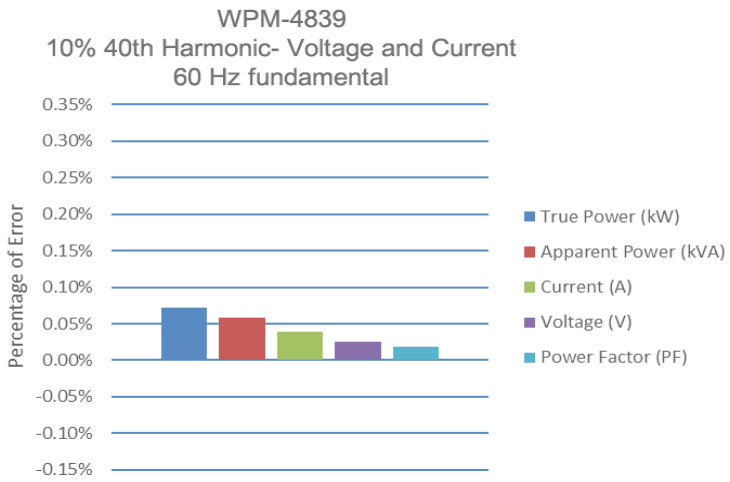
DIMENSIONS



SPECIFICATIONS TABLE

Accuracy	
Power & Energy (W, WH)	±0.25% of Full Scale (F.S.)
V, A, VA & VARS (10-100% of range)	±0.25% of Full Scale (F.S.)
Power Factor	±0.02PF
Frequency	±0.1% of Rdg., ±0.1% of F.S.
Input Voltage Range (AC)	0-600VL-L
Input Current Range (With CT's)	0-1000 Aac
Over-range (10 seconds)	120% of Range
Fundamental Frequency	60 Hertz
Useful Frequency Range	10-2400 Hertz
Output Communication	RS-232, -422, & -485; USB optional
Output Protocol	ASCII, Open
Dielectric Test	1800Vac
Operating Temperature	0 ˚C to 50 ˚C
Operating RH	0-95%, non-condensing
Enclosure	Noryl SE1, UL94V-1,IP 40
Weight	2.75 lbs. (excl. CT's)

PERFORMANCE



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