

3-Phase Power Analyzer (800 Series)

FEATURES

- True RMS
- Single- or three-phase measurements
- Data logging (1MB memory)
- Up to one month of recording time
- 4-channels for voltage measurements
- 4-channels for current measurements*
- Auto ranging
- Min/max/avg
- Energy and Harmonics Program
- PowerVision™ Software
- Lightweight, portable design
- Easy-to-use push-button operation
- Backlit display*
- Customized data collection
- Optional FIFO memory
- Real-time clock
- Programmable trigger-points and start/stop time
- Intelligent battery charging system
- Easy set-up
- Interactive demo CD
- 2-year warranty

POWER & ENERGY MEASUREMENTS

- Kilowatts (kW)
- Volt-amperes (VA)
- Inductive reactive power (kvarL)
- Capacitive reactive power (kvarC)
- Power factor (PF)
- Frequency
- Kilowatt hours (kWh)
- Reactive power per hour (kvarhL, kvarhC)

HARMONICS MEASUREMENT

- Total harmonic distortion (% THD)
- Harmonic factorization (FFT) to 51st harmonic

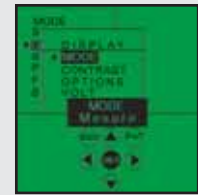
* Models 806/807



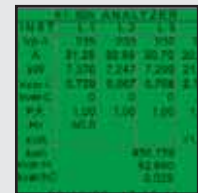
The IDEAL Power Quality Analyzer is a versatile and easy-to-use tool that will give you the information you need to get the job done. The unit measures and analyzes power quality on both single- and three-phase electrical systems. Instantaneous readouts of current, voltage, power and harmonics including tables, bar graphs and even individual waveforms, make job site data interpretation easy. With a real-time clock and 1MB of memory, the Power Analyzer stores data that can be downloaded to a personal computer for in-depth analysis using PowerVision™ software.

It's everything a professional needs for monitoring and analysis in a single unit: rugged, versatile and easy to use. Models available with 3 or 4 current channels to meet your needs and budget.

Power Analyzer Specifications 61-805, 61-806, 61-807		
	RANGE & RESOLUTION	ACCURACY
AC VOLTAGE	20 to 600 V (phase-neutral)	0.5%
	20 to 866 V (phase-phase)	0.5%
AC CURRENT	10 to 1000 A (with supplied clamp adapters)	1.0%
ACTIVE POWER	866 kW (with supplied clamp adapters)	1.0%
REACTIVE POWER	866 kW (with supplied clamp adapters)	1.0%
POWER FACTOR	0.5 to 1.0	1.0%



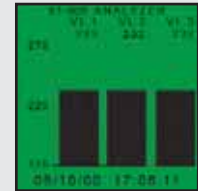
Program Setup



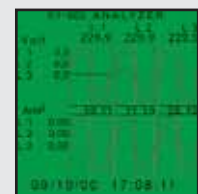
Table



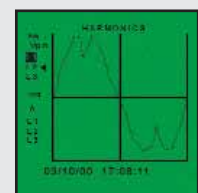
Exploded View



Bar Graph



Scope View



Waveform Zoom

Standard Equipment



ACCESSORIES

1000AAC Clamps (set of 3)	61-811
100AAC Neutral Clamp (1)	61-813
5AAC Compact Neutral Clamp (blue)	61-814
2000AAC Clamps (set of 3)	61-810
500AAC Clamps (set of 3)	61-812
5AAC Compact Clamps (set of 3)	61-819
100AAC Compact Clamps (set of 3)	61-820
100AAC Compact Neutral Clamp (blue)	61-821
200/2000/20000AAC Flexible Clamp adapters (set of 3)	61-457



200/2000/20000AAC Flexible Clamp Adapters

Standard Equipment	61-805	61-806	61-807
1000AAC Clamps (61-811)	•	•	•
100AAC Neutral Clamp (61-813)	—	optional	•
Voltage leads with Alligator Clips (TL-806)	•	•	•
Power supply with RS-232 Interface and cables	•	•	•
PowerVision™ Analysis Software	•	•	•
Demonstration CD and Instructions	•	•	•
Protective Carrying Case	•	•	•

Note:
Model 805 has 3 current channels
Models 806/807 have 4 current channels
Model 807 includes neutral clamp



5AAC Compact Current Clamp



100AAC Compact Current Clamp



100AAC Current Clamp



500AAC Current Clamp

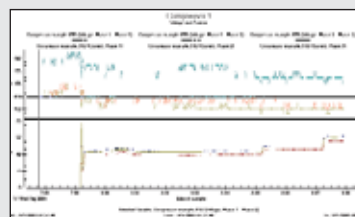


2000AAC Current Clamp

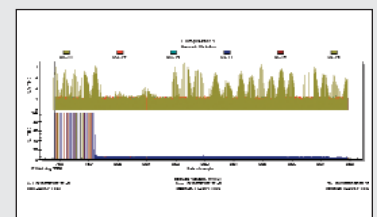
PowerVision™ Software

PowerVision™ software provides intuitive analysis of data and automatic generation of useful tables and graphs. Files are easily downloaded from any 800 series unit.

PowerVision™ provides multiple ways to view basic and detailed information, allowing you to customize readouts according to your troubleshooting needs. Compare up to 12 variables simultaneously. Easily scroll through, expand and collapse data over time. Compare data from multiple files to show before and after studies. Data can be exported to text files, databases; graphs and tables can be pasted into Excel or Word reports. Highly-trained technical support people are always a phone call away.



Current and Voltage



Harmonic Distortion