



800 Series Power Analyzers

The IDEAL Power Quality Analyzer is a versatile and easy-to-use tool that will give you the information you need for power quality analysis. The 800 Series Power Analyzer measures power quality on both single- and three-phase electrical systems. Instantaneous viewing 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.

3-Phase Power Analyzer

Features

- True RMS
- Single- or three-phase measurements
- Data logging (1MB memory)
- Energy and harmonics program included
- Four voltage channels
- Four current channels*
- PowerVision™ Software
- Lightweight, portable design
- Easy-to-use push-button operation
- Backlit display
- Customized data collection
- 2-year warranty
- Intelligent battery charging system
- Easy set-up
- Interactive demo CD

**Model 805 equipped with three channels for current*

Harmonics Measurements

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

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)

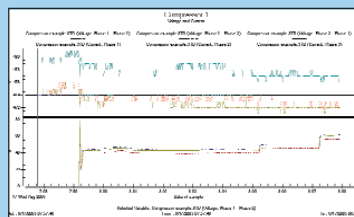


- Measures power quality in commercial and industrial electrical power systems
- True RMS readings for accurate testing
- 1 MB of memory stores data for in-depth analysis through PowerVision™ Software
- Rugged, compact design

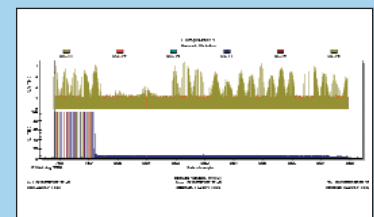
PowerVision™ Software

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 trouble shooting 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



1000AAC
Clamp Adapters

RS-232
Interface/
Power Supply

Power Analyzer



61-457 200/2000/20000AAC
Flexible Clamp Adapters
set of 3 only

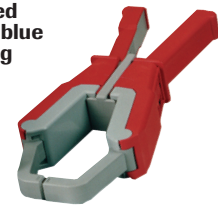
Test Leads with
Alligator Clips



Standard Current Clamp
set of 3 - black/yellow/red
individual - neutral clamp - blue
2-1/8 in. (5.5cm) jaw opening



Compact Current Clamp
set of 3 - black/yellow/red
individual - neutral clamp - blue
3/4 in. (2cm) jaw opening



61-810 Large Current Clamp
Set of 3 only
2-1/3 in. (6cm) jaw opening

Description	Size	Cat. No.
1000AAC clamps (set of 3) - included w/61-805, 61-806, 61-807	Standard	61-811
100AAC neutral clamp (1) - included w/61-807	Standard	61-813
500AAC clamps (set of 3)	Standard	61-812
100AAC clamps (set of 3)	Compact	61-820
100AAC clamps (1)	Compact	61-821
5AAC clamps (set of 3)	Compact	61-819
5AAC clamp (1)	Compact	61-814
2000AAC clamps (set of 3)	Large	61-810
200/2000/20000AAC flexible clamps (set of 3)	42"/105cm	61-457

Power Analyzer Specifications 61-805, 61-806		
	RANGE & RESOLUTION	ACCURACY
AC VOLTAGE	20 to 600 V (phase-neutral) 20 to 866 V (phase-phase)	0.5% 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%

Standard Equipment	61-805	61-805-X	61-806	61-806-X	61-807
Model 805 Analyzer (3 current clamps)	•	•			
Model 806 Analyzer (4 current clamps)			•	•	•
1000AAC Clamps (61-811)	•		•		•
100AAC Neutral Clamps (61-813)					•
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	•	•	•	•	•

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