

## Graphical Power Quality Analyzer and Recorder

**Captures transient events and datalogs up to 50,000 records**  
 Graphical and Digital LCD displays Harmonics and Power measurements (W, VA, VAR)

### Features:

- True RMS Voltage and Current
- Flexible probe easily wraps around bus bars and cable bundles
- Analysis for single phase and 3-phase Balanced systems
- Measures Active (W), Apparent (VA), and Reactive (VAR) Power
- Power Factor and Phase Angle
- Calculates Maximum Demand with programmable period
- Harmonic Analysis to the 50th order
- Displays 25 Harmonics in one screen
- Total Harmonic Distortion (%THD-F) analysis
- Graphic phasor diagram
- Capture 128 Transient Events with programmable threshold (%)
- 50,000 records with programmable interval (1 to 6000 seconds)
- Optically isolated RS-232 interface with software to Waveforms, Power Parameters and Harmonics
- Smart Datalogging saves battery power for long term monitoring
- Built-in Calendar/Clock for datalogging
- Complete with test leads, software, PC cable, alligator clips, and batteries



Optional portable printer produces text and graphical printouts from measured data

Specifications	Range	Resolution	Basic Accuracy
Watt	10 to 9999kW	0.1W	±1%
VA	10 to 9999kVA	0.1VA	±1%
VAR	10 to 9999kVAR	0.1kVAR	±2%
AC Current	4 to 1500A	0.01A	±1%
AC Voltage	4 to 600V	0.1V	±0.5%
Harmonics ACV %	1 to 50th	0.1%	±2%
Harmonics ACV Mag.	1 to 50th	0.1%	±2%
Harmonics ACA %	1 to 50th	0.1%	±2%
Harmonics ACV Mag.	1 to 50th	0.1%	±2%
Power Factor	0 to 1	0.001	±0.04
Phase Angle	0 to 360°	0.1°	±1°
Total Harmonic Distortion	0 to 999.9%	0.1%	±2%
Peak ACV/ACA	50/60Hz	39/33uS	±5%
Frequency	46 to 65Hz	0.1Hz	±0.3Hz
Dimensions/Weight	10.7x4.4x1.8" (271x112x46mm)/22.8oz (647g)		

### Ordering Information:

- 382085 .....Graphical Power Quality Analyzer and Recorder  
 382085-NIST ..Graphical Power Quality Analyzer/Recorder w/ NIST Cert  
 PR20 .....Portable Printer

