

Single-Phase Power Quality Analyzer PowerPad® Jr. Model 8230



Model 8230



Features

- Measures up to 660Vrms or Vdc
- Measures up to 6500Aac or 1400Adc (probe dependent)
- Displays Min, Max and Average Volts and Amps, Crest Factor, Peak value and K-Factor
- Calculates and displays Watts, VARs and VA, Power Factor and Displacement Power Factor for single-phase and balanced three-phase
- Displays total harmonic distortion (THD-F and THD-R) for voltage and current
- Displays individual harmonic values and % for Volts and Amps through the 50th harmonic
- Captures, displays and stores inrush current waveforms and statistics
- Stores up to eight screen captures
- Stores up to 1MB of trend recorded data
- Configurable from DataView® software or front panel
- Download stored data to DataView® software via optical with isolated USB port
- Captures up to 4096 alarm events from up to 10 different thresholds
- Displays and records up to 17 different power quality parameters
- Includes DataView® software FREE for data storage, real-time waveform display, analysis and report generation

SPECIFICATIONS	
MODEL	8230
ELECTRICAL	
Voltage (TRMS)	Phase-to-Phase: 660V Phase-to-Neutral: 600V
Current (TRMS)	MN Clamp: 5mA to 120A or 2 to 240A MR Clamp: 10 to 1000Aac, 10 to 1400Adc SR Clamp: 3 to 1200A AmpFlex®: 10 to 6500A ⁽¹⁾
Frequency (Hz)	40 to 70Hz
Other Measurements	kW, kVAR, PF, DPF, kWh, kVARh, kVAh, K-Factor, Flicker, Harmonic Phase Shift, Phase Rotation
Harmonics	THD-R, THD-F, V, A, VA 1 st to 50 th , Direction, Sequence
Sampling Frequency	256 samples/cycle
Data Storage	1.5MB partitioned for waveforms, alarms and trend recording
Power Source	NiMH AA rechargeable battery pack AC Supply: 120/230Vac (50/60Hz)
Battery Life	≥8 hrs with display on ≥40 hrs with display off (recording mode)
MECHANICAL	
Communication Port	Optically isolated USB
Display	1/4 VGA (320 x 240) color LCD
Dimensions	8.3 x 4.3 x 2.4" (211 x 108 x 60mm)
Weight	1.9 lbs (0.88kg)
Safety Rating	EN 61010, 600V Cat. III, Pollution Degree 2

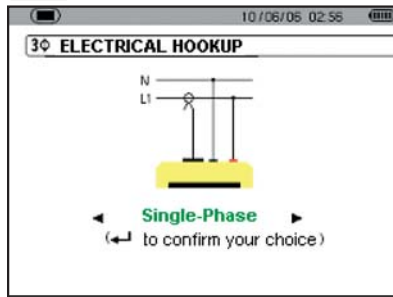
⁽¹⁾Crest factor at 6500 = 1



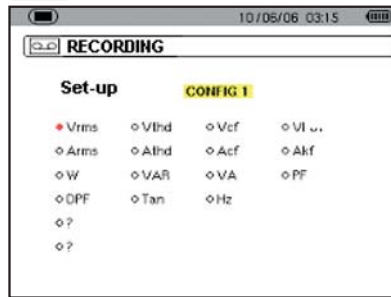
All models include current probe with 10 ft lead and black connector (MN93 example shown), black and red 10 ft voltage leads and alligator clips, optical USB cable, NiMH battery, US 120V power cord, DataView® software, carrying bag, soft carrying pouch and user manual.

Large Color Display!

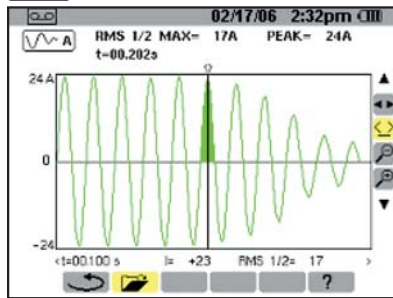
Configuration



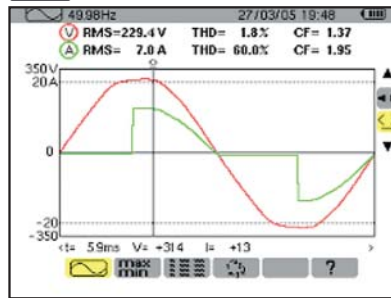
Recording Setup



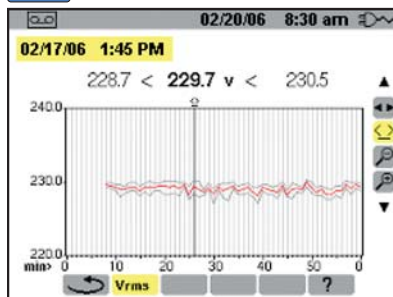
Inrush Mode



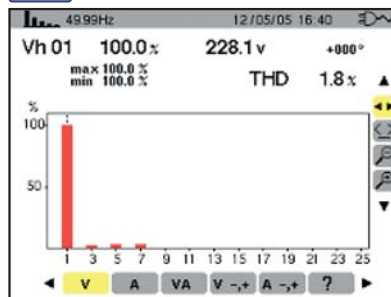
Waveform Mode



Trend Recording



Harmonics Mode



The screens above are a sample of the many available on PowerPad® Jr.

DataView® Software for Model 8230



DataView® is included with the PowerPad® Jr. Model 8230

Configure all functions of the PowerPad® Jr.

- Display and analyze real-time data on your PC
- Configure all PowerPad® Jr. functions and parameters from your PC
- Customize views, templates and reports to your exact needs
- Create and store a complete library of configurations that can be uploaded to the PowerPad® Jr. as needed
- Zoom in and out and pan through sections of the graph to analyze the data
- Download, display and analyze recorded data
- Display waveforms, trend graphs, harmonic spectrums, text summaries, transients, event logs and stored alarms
- Print reports using standard or custom templates you design



Choose from a variety of current probe options



SR193 (1200A) current probe



AmpFlex® 193 (6500A) flexible current probe (available in 24" or 36" lengths)



MN93 (240A) current probe or MN193 (6A/120A) current probe



CATALOG NO.	DESCRIPTION	
2130.82	PowerPad® Jr. Model 8230 w/MN93-BK (240A)	\$1,995.00
2130.83	PowerPad® Jr. Model 8230 w/SR193-BK (1200A)	\$2,195.00
2130.84	PowerPad® Jr. Model 8230 w/24" AmpFlex® 193-24-BK (6500A)	\$2,295.00
2130.85	PowerPad® Jr. Model 8230 w/36" AmpFlex® 193-36-BK (6500A)	\$2,395.00
2130.86	PowerPad® Jr. Model 8230 w/MR193-BK (1000A _{AC} /1400A _{DC})	\$2,195.00
2130.87	PowerPad® Jr. Model 8230 w/MN193-BK (6A/120A _{AC})	\$2,095.00
Accessories (Optional)		
2140.28	MR193-BK probe (1000A _{AC} /1400A _{DC}) with 10 ft leads	\$ 279.00
2140.32	MN93-BK probe (240A) with 10 ft leads	\$ 199.00
2140.33	SR193-BK probe (1200A) with 10 ft leads	\$ 299.00
2140.34	24" AmpFlex® 193-24-BK probe (6500A) with 10 ft leads	\$ 399.00
2140.35	36" AmpFlex® 193-36-BK probe (6500A) with 10 ft leads	\$ 499.00
2140.36	MN193-BK probe (6A/120A) with 10 ft leads	\$ 249.00