

# Three-Phase Power Quality Analyzer PowerPad® Model 8335



**FREE full featured software included for complete power quality analysis and reporting!**



**Captures & records transients, events & waveforms simultaneously!**

(upon registering)

Model 8335



## Features

- Measurement of TRMS voltages up to 1000Vrms AC/DC for two, three, four or five-wire systems
- Measurement of TRMS currents up to 6500Arms (sensor dependent)
- Frequency measurement (40 to 69Hz systems)
- Direct measurement of neutral current
- Record and display trend data as fast as once per second for one month for up to 25 variables.
- Transient detection on all V and I inputs
- Inrush current
- Calculation of Crest Factors for V and C
- Calculation of the K Factor for transformers
- Calculation of short-term flicker
- Calculation of the Three-Phase voltage unbalance
- Measurement of harmonic angles and rates (referenced to the fundamental or RMS value) for voltage, current or power, up to 50th harmonic
- Display of harmonic sequencing and direction and calculation of overall harmonics
- Real time display of Phasor diagrams including values and phase angles
- Monitors the average value of any parameter, calculated for a period from 1 sec to 2 hrs
- Measurement of active, reactive and apparent power per phase and their respective sum total
- Calculation of power factor, displacement power factor and tangent factor
- Recording, time stamping and characterization of disturbance (swells, sags and interruptions, exceedence of power and harmonic thresholds)
- 2GB internal memory
- DataView® software included

## SPECIFICATIONS

MODEL	8335
<b>ELECTRICAL</b>	
Sampling Frequency	256 samples/cycle
Data Storage	2GB SD Card
Voltage (TRMS)	Phase-to-Phase: 1000V; Phase-to-Neutral: 1000V
Current (TRMS)	MN Clamp: 0 to 6A/120A or 0 to 240A SR Clamp: 0 to 1200A MR Clamp: 0 to 1000Aac, 0 to 1400Aac MiniFlex™: 0.1 to 1000A AmpFlex®: 0 to 6500A <sup>1</sup>
Frequency (Hz)	40 to 69Hz
Other Measurements	kW, kVAR, kVA, PF, DPF, kWh, kVARh, kVAh, K-Factor, Flicker
Harmonics	1 <sup>st</sup> to 50 <sup>th</sup> , Direction, Sequence
Power Source	9.6V NiMH rechargeable battery pack External AC supply: 110/230VAC ±10% (50/60Hz)
Battery Life	≥Eight hours with display on; ≤35 hours with display off (record mode)
<b>MECHANICAL</b>	
Communication Port	Optically coupled RS-232
Display	¼ VGA (320 x 240) color LCD
Dimensions	9.8 x 7.8 x 2.6" (250 x 200 x 67mm)
Weight	4.3 lbs (1.95kg)
Safety Rating	EN 61010-1, 600V Cat. IV <sup>2</sup> , Pollution Degree 2

<sup>(1)</sup>Crest factor at 6500 = 1

<sup>(2)</sup>When used with SR193 or AmpFlex® probes. 600V Cat. III with MN193 or MR193 probes.



All models include five 10 ft black voltage leads, five black alligator clips, twelve color-coded rings, RS-232 DB9F optically coupled serial cable, NiMH battery, 110/240V power adapter with US power cord, DataView® software, large classic tool bag, soft carrying pouch and user manual.

## Choose from a variety of current probe options



MR93-BK (1000Aac/1400Aac) current probe



SR193-BK (1200A) current probe



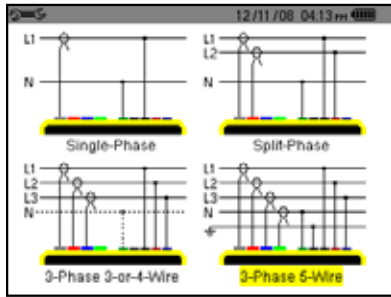
AmpFlex® 193-BK (6500A) flexible current probe (available in 24" or 36" lengths)



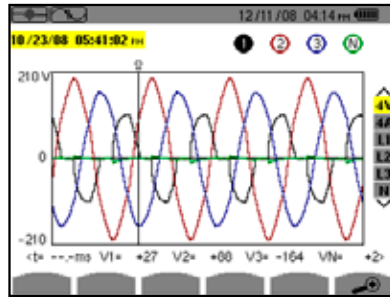
MN193-BK (240A) current probe or MN193-BK (6A/120A) current probe

## Large Color Display!

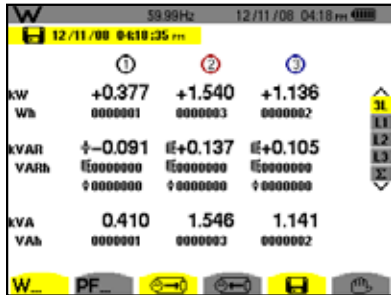
### Configuration



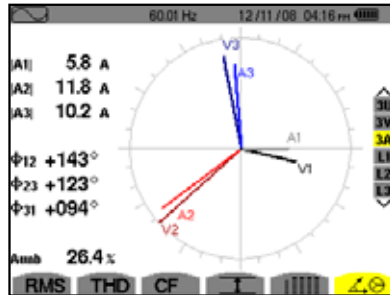
### Transient Mode



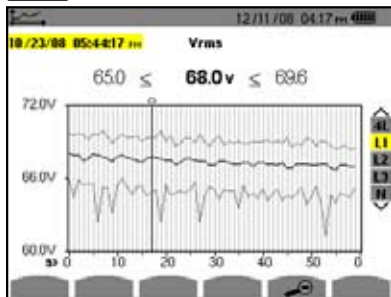
### Power and Energy Mode



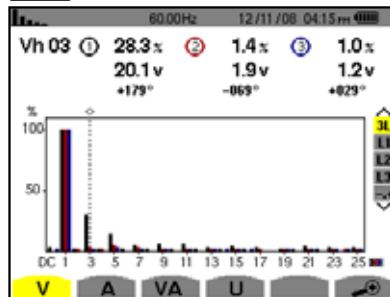
### Phasor Diagram



### Recording Mode



### Harmonics Mode



# DataView® Software for Model 8335



DataView® is included with the PowerPad® Model 8335

### Configure all functions of the PowerPad®

- Display and analyze real-time data on your PC
- Configure all PowerPad® 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® 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



CATALOG NO.	DESCRIPTION
2136.21	PowerPad® Model 8335 w/MN93 (240A)
2136.22	PowerPad® Model 8335 w/SR193 (1200A)
2136.23	PowerPad® Model 8335 w/24" AmpFlex® 193-24 (6500A)
2136.24	PowerPad® Model 8335 w/36" AmpFlex® 193-36 (6500A)
2136.25	PowerPad® Model 8335 w/MR193 (1000Aac/1400Adc)
2136.26	PowerPad® Model 8335 w/MN193 (5A/120Aac)
<b>Accessories (Optional)</b>	
2140.09	Set of three color-coded MN93 probes (240A) with 10 ft leads
2140.10	Set of three color-coded SR193 probes (1200A) with 10 ft leads
2140.11	Set of three color-coded 24" AmpFlex® 193-24 probes (6500A) with 10 ft leads
2140.12	Set of three color-coded 36" AmpFlex® 193-36 probes (6500A) with 10 ft leads
2140.13	Set of three color-coded MR193 probes (1000Aac/1400Adc) with 10 ft leads
2140.14	Set of three color-coded MN193 probes (6A/120A) with 10 ft leads
2140.17	5A Adapter box
2140.61	Set of four color-coded 30 ft voltage leads (rated 600V CAT IV 10A)
2140.24	Set of three color-coded MN93-30 probes (240A) with 30 ft leads
2140.25	Set of three color-coded SR193-30 probes (1200A) with 30 ft leads
2140.26	Set of three color-coded 24" AmpFlex® 193-24-30 sensors (6500A) with 30 ft leads
2140.27	Set of three color-coded 36" AmpFlex® 193-36-30 sensors (6500A) with 30 ft leads
2140.28	One AC/DC Current Probe Model MR193-BK (black connector) (1000Aac/1400Adc)
2140.29	Set of three color-coded MN193-30 probes (6A/120A) with 30 ft leads
2140.30	Set of three color-coded MR193-30 probes (1000Aac/1400Adc) with 30 ft leads