

Three-Phase Power Quality Analyzer PowerPad® 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)
- Color coded input markers included
- Direct measurement of neutral current & voltage
- Frequency measurement (40 to 69Hz systems)
- 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 measurement
- Calculation of Crest Factors for V and A
- Calculation of the K Factor for transformers
- Calculation of short-term flicker
- Calculation of the Three-Phase voltage unbalance
- Three voltage and three current inputs
- Harmonic measurements (referenced to the fundamental or RMS value) for voltage, current or power, up to 50th harmonic
- Displays 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 Trend Recording memory; Alarm, Photo and Transient memories are separate



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



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



(upon registering)



Four voltage and four current inputs

SPECIFICATIONS	
MODEL	8335
ELECTRICAL	
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 ¹
Frequency (Hz)	40 to 69Hz
Other Measurements	kW, kVAR, kVA, PF, DPF, kWh, kVARh, kVAh, K-Factor, Flicker
Harmonics	1 st to 50 th , Direction, Sequence
Power Source	9.6V NiMH rechargeable battery pack (included) External AC supply: 110/230VAC ±10% (50/60Hz)
Battery Life	≥8 hours with display on; ≤35 hours with display off (record mode)
MECHANICAL	
Communication Port	Optically isolated USB
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 ² , Pollution Degree 2

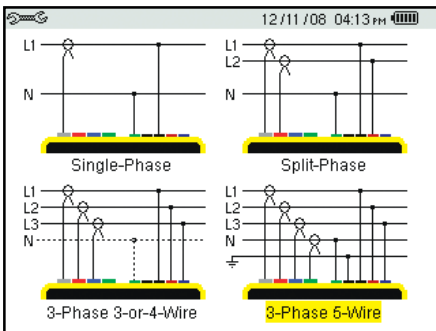
⁽¹⁾Crest factor at 6500 = 1

⁽²⁾When used with SR193 or AmpFlex® probes. 600V CAT III with MN193 or MR193 probes.

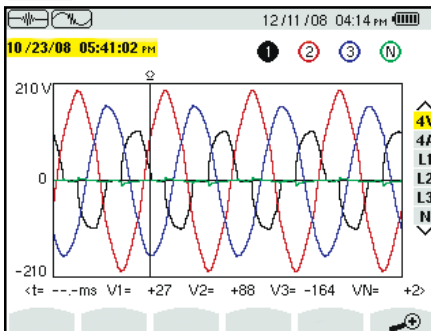


Large Color Display!

Configuration



Transient Mode



Power and Energy Mode

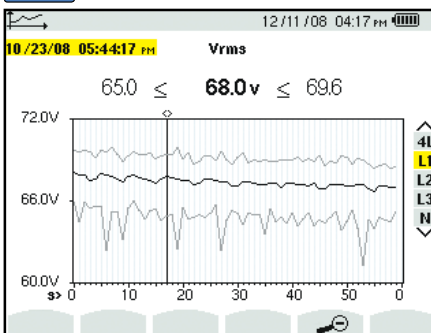
	①	②	③
kW	+0.377	+1.540	+1.136
Wh	0000001	0000003	0000002
kVAR	±0.091	±0.137	±0.105
VARh	±0000000	±0000000	±0000000
kVA	0.410	1.546	1.141
VAh	0000001	0000003	0000002

Additional data: 59.99Hz, 12/11/08 04:18 PM. The screen also shows a date and time stamp: 12/11/08 04:18:35 PM.

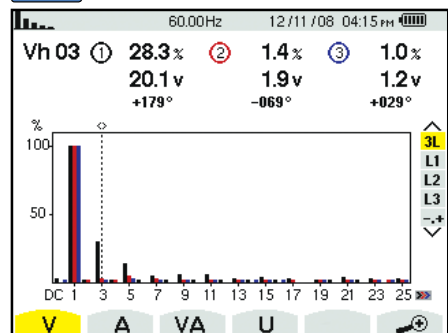
Phasor Diagram



Recording Mode



Harmonics Mode



CATALOG NO.	DESCRIPTION
2136.21	PowerPad® Model 8335 w/4 MN93-BK
2136.22	PowerPad® Model 8335 w/4 SR193-BK
2136.23	PowerPad® Model 8335 w/4 24" AmpFlex® 193-24-BK
2136.24	PowerPad® Model 8335 w/4 36" AmpFlex® 193-36-BK
2136.25	PowerPad® Model 8335 w/4 MR193-BK
2136.26	PowerPad® Model 8335 w/4 MN193-BK
2136.27	PowerPad Model 8335 w/4 MA193-10-BK
Accessories (Optional)	
2133.73	Extra Large Classic Tool Bag
2140.15	Replacement – Soft Carrying Pouch
2140.17	5A Adapter box (<i>special order only</i>)
2140.19	Replacement – Battery 9.6V NiMH
2140.28	AC Current Probe Model MR193-BK (1000Aac/1400Adc)
2140.32	AC Current Probe Model MN93-BK (200A)
2140.33	AC Current Probe Model SR193-BK (1200A)
2140.34	AmpFlex® Sensor 24" Model 193-24-BK (6500A)
2140.35	AmpFlex® Sensor 36" Model 193-36-BK (6500A)
2140.36	AC Current Probe Model MN193-BK (5A/100A)
2140.43	Replacement – Set of 5, 10ft (3m) black leads w/5 black alligator clips
2140.44	Lead, 1 10ft (3m) black lead w/black alligator clip
2140.45	Replacement – Set of 12, Color-coded Input ID Markers
2140.46	Replacement – 6ft USB cable
2140.48	Miniflex™ Sensor 10" Model MA193-10-BK (1000A)

