

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

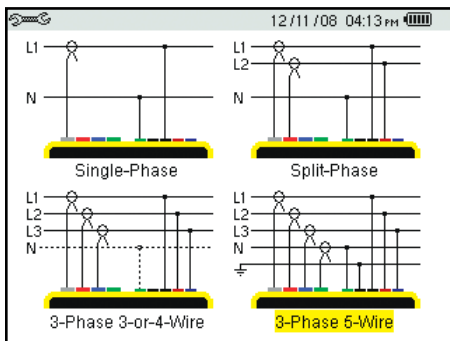
| SPECIFICATIONS | |
|--------------------|--|
| MODEL | 8335 |
| ELECTRICAL | |
| Sampling Frequency | 256 samples/cycle |
| Data Storage | 2GB SD Card |
| Voltage (TRMS) | Phase-to-Phase: 1000V; Phase-to-Neutral: 1000V |
| Current (TRMS) | MN Clamp: 0 to 6A/120A or 0 to 240A SR Clamp: 0 to 1200A MR Clamp: 0 to 1000A _{AC} , 0 to 1400A _{DC} 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

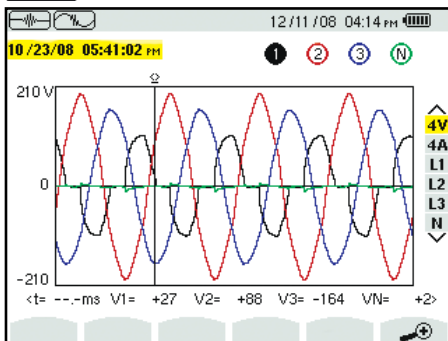
⁽²⁾When used with SR193 or AmpFlex® probes. 600V CAT III with MN193 or MR193 probes.

Large Color Display!

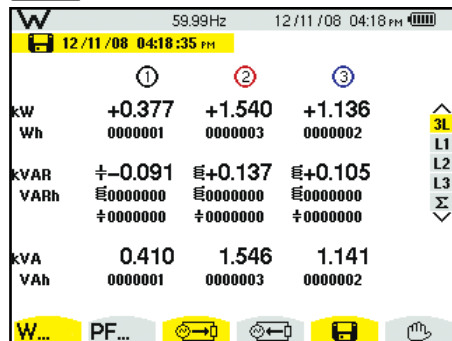
Configuration



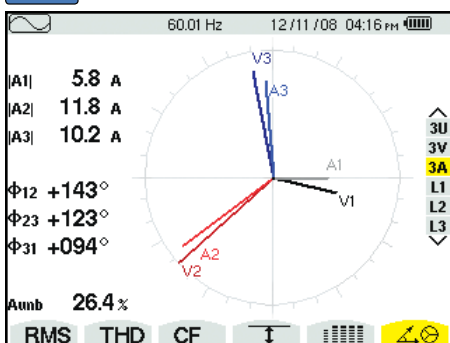
Transient Mode



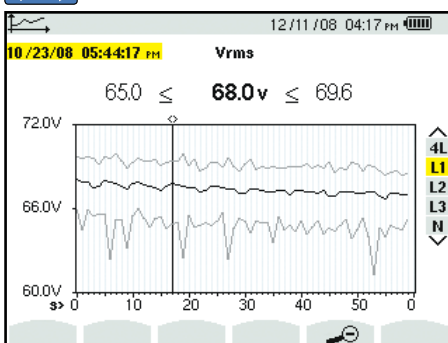
Power and Energy Mode



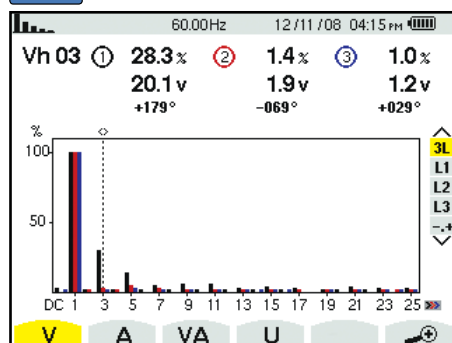
Phasor Diagram



Recording Mode



Harmonics Mode



| CATALOG NO. | DESCRIPTION | PRICE | NIST CALIBRATION |
|-------------------------------|---|------------|------------------|
| 2136.21 | PowerPad® Model 8335 w/4 MN93-BK | \$5,295.00 | \$190.00 |
| 2136.22 | PowerPad® Model 8335 w/4 SR193-BK | \$5,495.00 | \$190.00 |
| 2136.23 | PowerPad® Model 8335 w/4 24" AmpFlex® 193-24-BK | \$5,595.00 | \$190.00 |
| 2136.24 | PowerPad® Model 8335 w/4 36" AmpFlex® 193-36-BK | \$5,795.00 | \$190.00 |
| 2136.25 | PowerPad® Model 8335 w/4 MR193-BK | \$5,895.00 | - |
| 2136.26 | PowerPad® Model 8335 w/4 MN193-BK | \$5,595.00 | - |
| 2136.27 | PowerPad Model 8335 w/4 MA193-10-BK | \$5,695.00 | - |
| Accessories (Optional) | | | |
| 2133.73 | Extra Large Classic Tool Bag | \$ 44.00 | - |
| 2140.15 | Replacement – Soft Carrying Pouch | \$ 19.00 | - |
| 2140.17 | 5A Adapter box (<i>special order only</i>) | - | \$ 94.00 |
| 2140.19 | Replacement – Battery 9.6V NiMH | \$ 199.50 | - |
| 2140.28 | AC Current Probe Model MR193-BK (1000Aac/1400Adc) | \$ 349.00 | - |
| 2140.32 | AC Current Probe Model MN93-BK (200A) | \$ 219.00 | - |
| 2140.33 | AC Current Probe Model SR193-BK (1200A) | \$ 299.00 | - |
| 2140.34 | AmpFlex® Sensor 24" Model 193-24-BK (6500A) | \$ 309.00 | - |
| 2140.35 | AmpFlex® Sensor 36" Model 193-36-BK (6500A) | \$ 399.00 | - |
| 2140.36 | AC Current Probe Model MN193-BK (5A/100A) | \$ 249.00 | - |
| 2140.43 | Replacement – Set of 5, 10ft (3m) black leads w/5 black alligator clips | \$ 99.00 | - |
| 2140.44 | Lead, 1 10ft (3m) black lead w/black alligator clip | \$ 20.00 | - |
| 2140.45 | Replacement – Set of 12, Color-coded Input ID Markers | \$ | - |
| 2140.46 | Replacement – 6ft USB cable | \$ 10.95 | - |
| 2140.48 | Miniflex™ Sensor 10" Model MA193-10-BK (1000A) | \$ 259.00 | - |