

### PowerPad® III Model 8333

**2 GB of memory for trend recordings, and up to 12 snapshot, 51 captured transients and 4000 alarm events**



**Four voltage and three current input terminals**

#### SPECIFICATIONS

MODEL	8333
Input Terminals	4 voltage / 3 current
Inputs	3 voltage / 3 current
Voltage (TRMS AC+DC)	Phase-to-Phase: 2000V; Phase-to-Neutral: 1000V
Voltage Ratio	up to 500kV
Current (TRMS AC+DC)	MN Clamp: 0.005A to 6A/2A or 0 to 240A SR Clamp: 3A to 1200A <sub>AC</sub> MR Clamp: 10 to 1000A <sub>AC</sub> /10 to 1400A <sub>DC</sub> SL261 Clamp: 100mA to 10A/1 to 100A AmpFlex® or MiniFlex® Clamps: 100mA to 10000A <sub>AC</sub> Current Ratio: 10mA to 60kA J93: 50 to 3500A <sub>AC</sub> , 50 to 5000A <sub>DC</sub>
Frequency (Hz)	40 to 70Hz
Distribution Systems	1P 2W, 1P 3W, 2P 2W, 2P 3W, 2P 4W, 3P 3W, 3P 4W, 3p 5W, Split-Phase 2W & 3W, 2 ½ Element & Aron meters
Power Values	W, VA, var, VAD, PF, DPF, cos φ, tan φ
Energy Values	Wh, varh, VAh, VADh
Harmonics	1 <sup>st</sup> to 50 <sup>th</sup> , Direction, Sequence; THD: 0 to 50, Phase
Transients	up to 51
Flicker	Pst
Unbalance	Yes
Record Mode	Yes
Trend Mode	Records up to 29 variables for several days to several years depending on selected storage rate
Alarm Mode	10 types; 4096 recorded; 2 sessions
Waveform Mode	Calculated: AN (RMS, DC, CF, PK+/-) and FK
Peak	Yes
Phasor Display	Automatic
Display	Color ¼ VGA TFT screen (320 x 240) diagonal 148mm
Snapshots	12
Sampling Frequency	256 samples/cycle for trend recording
Data Storage	2GB card for trend + 4MB partitioned for snapshot, transients and alarms
Other Measurements	kW, kvar, PF, DPF, kWh, kvarh, kVAh, Factor K, Flicker
Electrical Safety	IEC 61010, 1000V CAT III / 600V CAT IV
Protection	IP53 - non operating
Languages	more than 26
Communication Interface	USB
Battery Life	10 hrs in non - Record Mode with display on; 25 hrs in Record Mode with display off
Power Source	9.6V NiMH rechargeable battery pack (included) External AC supply: 110/230V <sub>AC</sub> ±20% (50/60Hz)
Dimensions / Weight	9.8 x 7.8 x 2.6" (240 x 180 x 55mm) / 4.3 lbs (1.95kg)

\* Registration must take place within 30 days of purchase



#### PRODUCT INCLUDES

##### 8333

Three current probes, four black 10 ft voltage leads, four black alligator clips, twelve color-coded input ID markers, NiMH battery, 110/240V power adapter with US power cord, carrying bag, soft carrying pouch, and USB stick supplied with product user manual and DataView® software.



#### OPTIONAL KITS

##### AmpFlex® 193 Flexible Current Probe (6500A)

Color-coded, 24", rated 600V CAT IV



##### MN193 Current Probe (5A/100A)

Color-coded, rated 600V CAT III

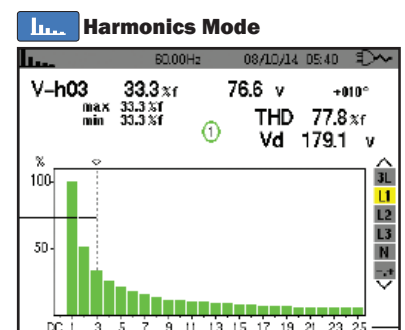
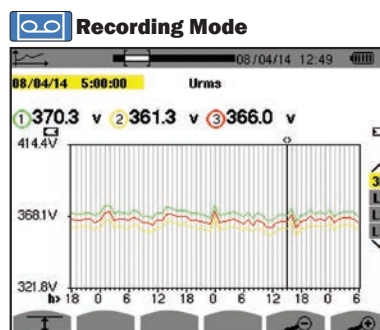
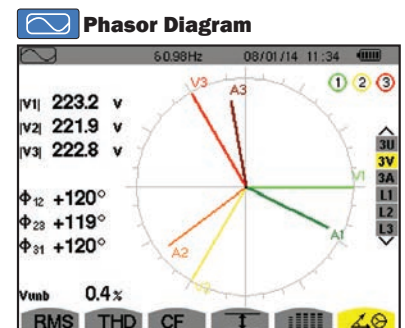
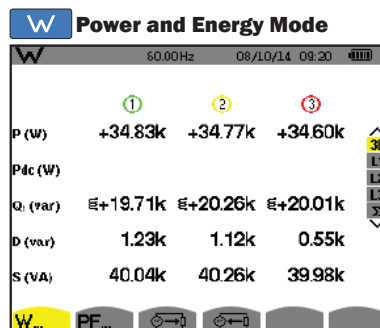
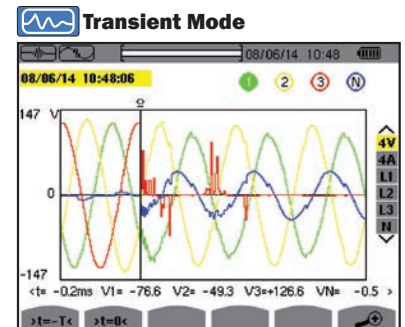
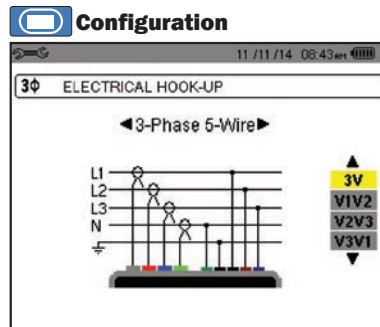


### PowerPad® III Model 8333

#### Large Color Functional Displays

##### FEATURES

- True RMS single-, two- and three-phase measurements at 256 samples/cycle, plus DC
- Real-time color waveforms
- Easy-to-use on-screen setup
- Predetermined or user selectable scaling (probe dependent)
- True RMS voltage and current measurement
- Measures DC volts, amps and power
- Displays and captures voltage, current and power harmonics to 50<sup>th</sup> order, including direction, in real-time
- Captures transients down to 1/256<sup>th</sup> of a cycle (65/sec)
- Stores comprehensive database of logged data
- Phasor diagram display
- Peak voltage and current
- Nominal frequency from 40 to 70Hz
- VA, VAR and W per phase and total
- kVAh, varh and kWh per phase and total
- Neutral current display for three-phase
- Crest factors for current and voltage
- Calculation of the Factor K for transformers
- Power Factor, displacement PF display
- Captures up to 51 transients
- Short-term flicker display
- Phase unbalance (current and voltage)
- Harmonic Distortion (total and individual) from 1<sup>st</sup> to 50<sup>th</sup>
- Alarms, surges and sags
- Records date and characteristics of disturbances
- Screen snapshot function captures waveforms or other information on the display
- Optically isolated USB communication port
- Includes FREE DataView® software for configuring data storage, real-time display, analysis and report generation



CATALOG NO.	DESCRIPTION
2136.10	PowerPad® III Model 8333 (no probes)
2136.11	PowerPad® III Model 8333 w/3 193-24-BK AmpFlex® Sensors
2136.12	PowerPad® III Model 8333 w/3 MN193-BK Probes
<b>Accessories (Optional)</b>	
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
2140.32	AC Current Probe Model MN93-BK
2140.33	AC Current Probe Model SR193-BK
2140.34	AmpFlex® Sensor 24" Model 193-24-BK
2140.35	AmpFlex® Sensor 36" Model 193-36-BK
2140.36	AC Current Probe Model MN193-BK
2140.43	Replacement – Set of 5, 10 ft (3m) black leads w/5 black alligator clips
2140.44	Lead, 1 10 ft (3m) black lead w/black alligator clip
2140.45	Replacement – Set of 12, Color-coded Input ID Markers
2140.46	Replacement – 5 ft USB Cable
2140.48	MiniFlex® Sensor 10" Model MA193-10-BK
2140.49	AC/DC Current Probe Model J93-BK