

PowerPad® III Model 8333

Provides excellent fidelity in reproducing waveforms and capturing transients



Three voltage and four current channels

SPECIFICATIONS

MODEL	8333
Channels	3 voltage / 4 current
Inputs	4 voltage / 3 current
Voltage (TRMS AC+DC)	2 to 1000V
Voltage Ratio	up to 500kV
Current (TRMS AC+DC)	MN93: 500mA to 200Aac; MN193: 0.005 to 100Aac SR193 Clamp: 1A to 1000Aac AmpFlex® or MA193 Clamps: 100mA to 10000Aac MR193 Clamp: 1A to 1300Aac/dc SL261 Clamp: 50mA to 100Aac/dc Current Ratio: up to 60kA
Frequency (Hz)	40 to 69Hz
Distribution Systems	1P 2W, 1P 3W, 2P 2W, 2P 3W, 2P 4W, 3P 3W, 3P 4W and 3p 5W, 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 st to 50 th , Direction, Sequence; THD: 0 to 50, phase
Transients	51
Flicker (Pst & Plt)	Yes
Inrush Mode	Yes, on 4 periods
Unbalance	Yes
Recording	Yes
Alarm Mode	10 types; 4000 recorded
Peak	Yes
Phasor Display	Automatic
Display	Color ¼ VGA TFT screen (320 x 240) diagonal 148mm
Screen Capture	12
Electrical Safety	IEC 61010, 1000V CAT III / 600V CAT IV
Protection	IP50
Languages	more than 27
Communication Interface	USB
Battery Life	>13 hrs, 25 hrs in Record Mode
Power Supply	9.6V NiMH rechargeable battery pack (included) or external charger
Dimensions / Weight	9.8 x 7.8 x 2.6" (240 x 180 x 55mm) / 4.3 lbs (1.95kg)



PRODUCT INCLUDES

8333 Kit

Three current probes (AmpFlex® example shown), five black 10 ft voltage leads, five black alligator clips, twelve color-coded input ID markers, NiMH battery, US 120V power cord, carrying bag, soft carrying pouch, and USB stick supplied with product user manual and DataView® software (See pages 24 and 25 for optional current probes).



OPTIONAL ACCESSORIES

AmpFlex® 193 flexible current probe (6500A)

Set of three color-coded, 24", rated 600V CAT IV



MN193 current probe (5A/100A)

Set of three color-coded, rated 600V CAT III



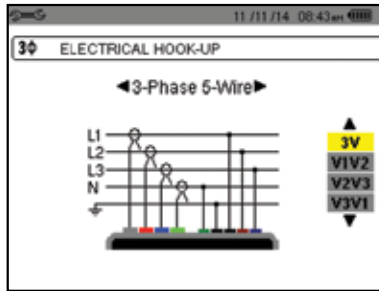
PowerPad® III Model 8333

Large Color Functional Displays

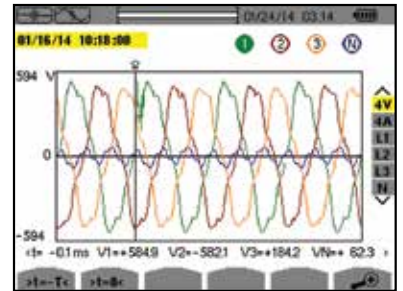
FEATURES

- True RMS single-, two- and three-phase measurements at 256 samples/cycle, plus DC
- Real-time color waveforms
- Easy-to-use on-screen setup
- Automatic current probe recognition and scaling
- True RMS voltage and current measurement
- Measures DC volts, amps and power
- Displays and captures voltage, current and power harmonics to 50th order, including direction, in real-time
- Captures transients down to 1/256th of a cycle
- Stores comprehensive data base of logged data
- Phasor diagram display
- VA, VAR and W per phase and total
- kVAh, VARh and kWh per phase and total
- Neutral current calculated and displayed for three-phase
- Transformer K-factor display
- Power Factor, displacement PF display
- Captures up to 51 transients
- Short and long term flicker display
- Phase unbalance (current and voltage)
- Harmonic Distortion (total and individual) from 1st to 50th
- Alarms, surges and sags
- Screen snapshot function captures waveforms or other information on the display
- Includes FREE DataView® software for configuring data storage, real-time display, analysis and report generation

Configuration



Transient Mode



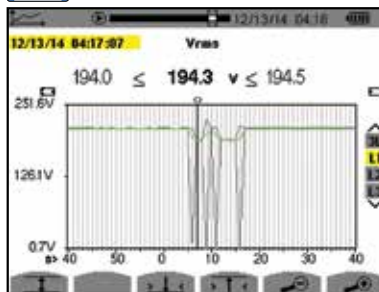
Power and Energy Mode



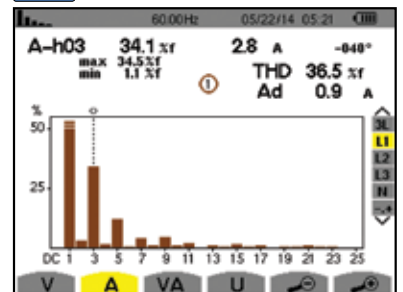
Phasor Diagram



Recording Mode



Harmonics Mode



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 MN193-BK Probes
Accessories (Optional)	
2140.09	AC Current Probe Model MN93-BK (240A) with 10 ft leads
2140.10	AC Current Probe Model SR193-BK (1200A) with 10 ft leads
2140.11	AmpFlex® Sensor 24" Model 193-24-BK (6500A) with 10 ft leads
2140.12	AmpFlex® Sensor 36" Model 193-36-BK (6500A)
2140.13	AC Current Probe Model MR193-BK (1000Aac/1400Aac) with 10 ft leads
2140.14	AC Current Probe Model MN193-BK (5A/100A) with 10 ft leads
2140.17	5A Adapter Box (<i>special order only</i>)
2140.28	AC/DC Current Probe Model MR193-BK (black connector) (1000Aac/1400Aac)
2140.48	MiniFlex® Sensor 10" Model MA193-10-BK (1000A)