

POWER QUALITY ANALYZERS, METERS & LOGGERS

THREE-PHASE POWER QUALITY ANALYZER



MODEL #8333

MODEL #8336

POWERPAD® III MODEL 8333 & MODEL 8336

SD card for trend recordings and data storage,
extensive memory for high snapshot quantity,
captured transients/inrush and alarm events

SPECIFICATIONS

MODEL	8333	8336
Input Terminals	4 voltage / 3 current	5 voltage / 4 current
Inputs	3 voltage / 3 current	4 voltage / 4 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, Split-Phase 2W & 3W & Aron meters	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	up to 51	up to 210
Flicker (Pst)	Yes	
Unbalance	Yes	
Recording	Yes	
Alarm Mode	10 types; 4000 recorded	40 types; 16,000 recorded
Peak	Yes	
Phasor Display	Automatic	
Display	Color ¼ VGA TFT screen (320 x 240) diagonal 5.82" (148mm)	
Snapshots	12	50
Electrical Safety	IEC 61010, 1000V CAT III / 600V CAT IV	
Protection	IP53	
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) External AC supply: 110/230Vac ±10% (50/60Hz)	
Dimensions / Weight	9.8 x 7.8 x 2.6" (240 x 180 x 55mm) / 4.3lbs (1.95kg)	



METER INCLUDES

MODEL 8333

Four black 10ft voltage leads, 5ft USB cable, 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 drive supplied with product user manual and DataView® software.



MODEL 8336

Five black 10ft voltage leads, five black alligator clips, twelve color-coded input ID markers, USB cable, NiMH battery, 110/240V power adapter with US power cord, large classic tool bag, soft carrying pouch, quick start user guide, and USB drive supplied with product user manual and DataView® software.



KIT OPTION INCLUDES

MODEL 8333

AS ABOVE, WITH AMPFLEX® 193 FLEXIBLE CURRENT PROBE (10KA)

Catalog #2136.11, 24" rated 600V CAT IV

OR

AS ABOVE, MN193 CURRENT PROBE (5A/100A)

Catalog #2136.12, Rated 600V CAT III



MODEL 8336

AS ABOVE, WITH AMPFLEX® 193 FLEXIBLE CURRENT PROBE (10KA)

Catalog #2136.31, 24" rated 600V CAT IV

OR

AS ABOVE, MN193 CURRENT PROBE (5A/100A)

Catalog #2136.32, Rated 600V CAT III



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THREE-PHASE POWER QUALITY ANALYZER



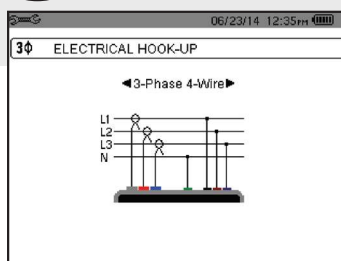
* Registration must take place within 30 days of purchase

FEATURES

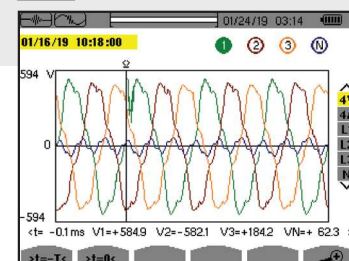
- True RMS single-, two- and three-phase measurements at 256 samples/cycle, plus DC
- Real-time color waveforms
- Easy-to-use on-screen setup
- Automatic current probe recognition and scaling
- True RMS voltage and current measurement
- Measures DC volts, amps and power
- Displays and captures voltage, 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
- kVA, kvar and kW per phase and total
- kVAh, kvarh and kWh per phase and total
- Neutral current calculated and displayed for three-phase
- Transformer K-Factor display (8220 and 8230)
- Transformer Factor K display (8333, 8336, 8436)
- 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 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 retrieval, real-time display, analysis and report generation

Large Color Functional Displays

CONFIGURATION



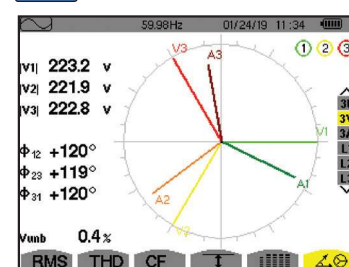
TRANSIENT MODE



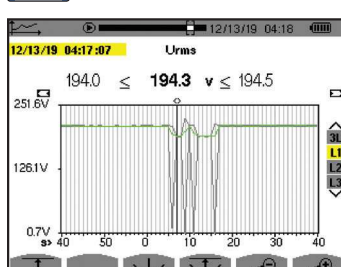
POWER AND ENERGY MODE



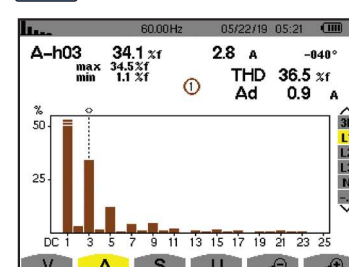
PHASOR DIAGRAM



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 w/3 MN193-BK Probes
2136.30	PowerPad [®] III Model 8336 (no probes)
2136.31	PowerPad [®] III Model 8336 w/4 193-24-BK Sensors
2136.32	PowerPad [®] III Model 8336 w/4 MN193-BK Probes
Accessories/Replacement - available on website store from www.aemc.com. See page 119 for more optional current probes.	
2133.73	Extra Large Classic Tool Bag
2140.28	AC/DC 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
2140.40	BNC Adapter for use with AC/DC Current Probe Model SL261 & Models 8220, 8333, 8335, 8336, 8435, 8436, & PEL Series
2140.44	Lead, 1 10ft (3m) black lead w/black alligator clip
2140.48	MiniFlex [®] Sensor 10" Model MA193-10-BK
2140.50	MiniFlex [®] Sensor 14" Model MA193-14-BK