

# AEMC Three-Phase Power Quality Analyzers



PowerPad III™  
8333



Captures & records transients, events & waveforms simultaneously

SD card for trend recordings, and up to 12 snapshot, 51 captured transients and 4000 alarm events.

- 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
- Display and capture voltage, current and power harmonics to 50<sup>th</sup> order, including direction, in real time
- Capture transients down to 1/256<sup>th</sup> of a cycle
- Phasor diagram display
- VA, VAR and W per phase and total
- kVAh, VARh and kWh per phase and total
- Neutral current calculated & displayed for three-phase
- Transformer K-factor display
- 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
- Stores comprehensive data base of logged data
- Screen snapshot function captures waveforms or other information on the display
- Includes DataView® software for data storage, real-time display, analysis and report generation

## SPECIFICATIONS

Input Terminals:	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 J93: 50 to 3500Aac/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
Power Values:	W, VA, var, VAD, PF, DPF, cos φ, tan φ
Energy Values:	Wh, varh, VAh, VADh
Harmonics:	1st to 50th, Direction, Sequence; THD: 0 to 50, phase up to 51
Transients:	up to 51
Flicker (Pst):	Yes
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
Snapshots:	12
Electrical Safety:	IEC 61010, 1000V CAT III / 600V CAT IV
Protection:	IP53
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:	9.8 x 7.8 x 2.6" (240 x 180 x 55mm)
Warranty:	3 years



The 8333 Kit includes 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.

## ORDERING INFORMATION

AE/2136.10	PowerPad® III Model 8333 (no probes)
AE/2136.11	PowerPad® III Model 8333 w/3 193-24-BK AmpFlex® Sensors (6500A)
AE/2136.12	PowerPad® III Model 8333 w/3 MN193-BK Probes (5A/100A)
AE/2136.30	PowerPad® III Model 8336 (no probes) Replacement for Model 8335
AE/2136.31	PowerPad® III Model 8336 w/4 193-24-BK AmpFlex® Sensors (6500A)
AE/2136.32	PowerPad® III Model 8336 w/4 MN193-BK Probes (5A/100A)

## ACCESSORIES

AE/2140.28	AC Current Probe Model MR193-BK
AE/2140.32	AC Current Probe Model MN93-BK
AE/2140.33	AC Current Probe Model SR193-BK
AE/2140.34	AmpFlex® Sensor 24" Model 193-24-BK
AE/2140.35	AmpFlex® Sensor 36" Model 193-36-BK
AE/2140.36	AC Current Probe Model MN193-BK
AE/2140.48	MiniFlex® Sensor 10" Model MA193-10-BK
AE/2140.49	AC/DC Current Probe Model J93-BK
AE/2140.50	MiniFlex® Sensor 14" Model MA193-14-BK