

POWER QUALITY ANALYZERS, METERS & LOGGERS

Three-Phase Power Quality Analyzer



PowerPad® III Model 8336

2GB of memory for trend data storage and additional memory for: up to 50 snapshots, 210 captured transients/inrush and 10,000 alarm events

Captures & records transients, events & waveforms simultaneously!





Five voltage and four current input terminals

► SPECIFICATIONS

MODEL	8336	
Input Terminals	5 voltage / 4 current	
Inputs	4 voltage / 4 current	
Voltage (TRMS AC+DC)	Phase-to-Phase: 0 to 2000	
Voltage (Thine Act Do)	Phase-to-Neutral : 0 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 MiniFlex* Clamps: 100mA to 10000Aac	
	MR193 Clamp: 1A to 1300Aac/bc SL261 Clamp: 50mA to 100Aac/bc Current Ratio: up to 60kV J93: 50 to 3500Aac, 50 to 5000Abc	
Frequency (H=)	40 to 70Hz	
Frequency (Hz) Distribution Systems	40 to 70hz 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^{st} to 50^{th} , Direction, Sequence; THD: 0 to 50, Phase	
Transients	up to 210	
Trend Mode	Records up to 41 variables as fast as once per second for one month depending on selected storage rate	
Flicker	Pst & Plt	
Inrush Mode	Yes, >10 min	
Unbalance	Yes	
Record Mode	Yes	
Alarm Mode	40 types; 10,000 recorded	
Waveform Mode	Calculated: AN (RMS, DC, CF, PK+/-) and FK	
Peak	Yes	
Phasor Display	Automatic	
Data Stoage	2GB card for trend + 4MB partitioned for snapshot, transients and alarms	
Other Measurements	256 samples/cycle for trend recording	
Display	Color 1/4 VGA TFT screen (320 x 240) diagonal 148mm	
Snapshots	50	
Sampling Frequency	256 samples/cycle for trend recording	
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 Supply	9.6V NiMH rechargeable battery pack (included) External AC supply: $110/230V_{AC} \pm 10\%$ (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

8336

Five black 10 ft voltage leads, five black alligator clips, twelve colorcoded 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 stick supplied with product user manual and DataView^{*} software.

Non Operating



OPTIONAL KITS



Current Probe (5A/100A) Color-coded, rated 600V CAT III





POWER QUALITY ANALYZERS, METERS & LOGGERS

Three-Phase Power Quality Analyzer

PowerPad[®]III Model 8336

Large Color Functional Displays

► FEATURES

- Measurement of TRMS voltages up to 1000Vrms AC/DC for two-, three-, four- or five-wire systems
- Measurement of TRMS currents up to 10,000Arms (sensor dependent)
- Direct measurement of neutral current & voltage
- Frequency measurement (40 to 70Hz systems)
- Record and display trend data as fast as once • per second for one month for up to 41 variables
- Up to 210 transient detection on all V and I inputs down to 65/sec
- Selectable PT and CT ratios
- Inrush current measurement
- Calculation of Crest Factors for V and A
- Calculation of the Factor K for transformers
- Calculation of short-term and long-term flicker
- Calculation of the Three-Phase voltage unbalance
- 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, simultaneous Trend Recording memory; Alarm, Photo and Transient Inrush memories are separate
- Measurement of energy VAh, varh, Wh & VADh The Max and Min RMS measurements are
- calculated every half-period
- Includes FREE DataView® software for configuring data storage, real-time display, analysis and report generation
- 65µs/sample trend recording

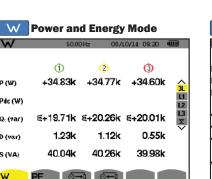
CATALOG NO.

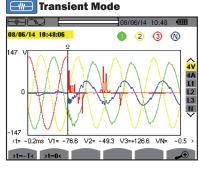
DESCRIPTION

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 (Optiona	d)
2133.73	Extra Large Classic Tool Bag
2140.15	Replacement – Soft Carrying Pouch
2140.17	5A Adapter Box (special order only)
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

11 /11 /14 08:43em 💷 3Φ ELECTRICAL HOOK-UP ◄ 3-Phase 5-Wire▶ ٠ 3V V1V2 V2V3 V3V1

(D=G) Configuration







h.... **Harmonics Mode**



Recording Mode

