



## PowerPad<sup>®</sup> III Model 8336

Cat. #2136.30

**TRMS, 1000 Vrms AC/DC, 10 kArms/5000 A<sub>DC</sub>, frequency, transients, harmonics, energy, DataView<sup>®</sup> software**

The PowerPad<sup>®</sup> III Model 8336 is a three-phase power quality analyzer that is easy-to-use, compact and shock resistant. It enables technicians and engineers to measure and carry out diagnostics and power quality work on one-, two- or three- phase networks. Five voltage and four current inputs are provided. It is IEC 61000-4-30 Class B and safety rated to 600 V CAT IV.

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Inputs	4 Voltage / 4 Current			
Sample Rate	256 per Cycle	12.8 kHz at 50 Hz	15.36 kHz at 60 Hz	
Specification	Range	Measurement Range	Resolution	Accuracy (Typical)
<b>Volt</b>				
Vrms (AC + DC)	1000 V P to N 2000 V P to P	(2 to 1000) V	0.1 V	±0.5 % Rdg + 200 mV
Vpk	1414 V	(2 to 1000) V	0.1 V	±3 % Rdg + 2 V
Vrms Half Cycle	1000 V P to N 2000 V P to P	(2 to 1000) V	0.1 V	±0.8 % Rdg + 1 V
<b>Amps (accuracy excluding clamp accuracy)</b>				
Amps (AC + DC)	SR193 & MR193 MN193 5A MN193 100A	(1 to 1000) A 5 mA to 5 A 100 mA to 100 A	0.1 A 1 mA 10 mA	±0.5 % Rdg + 200 mA ±0.5 % Rdg + 2 mA ±0.5 % Rdg + 20 mA
AmpFlex & MiniFlex	Range 100A Range 6500A Range 10kA	100 mA to 100 A (10 to 6500) A 10 A to 10 kA	1 mA 0.1 A & 1 A 1 A	±0.5 % Rdg + 30 mA ±0.5 % Rdg + 3 A ±0.5 % Rdg + 3 A
Apk	SR193 & MR193 MN193 5A MN193 100A	(1 to 1,414) A 5 mA to 7.017 A 100 mA to 141.4 A	0.1 A 1 mA 10 mA	±1 % Rdg + 2 A ±1 % Rdg + 20 mA ±1 % Rdg + 200 mA
Apk AmpFlex & MiniFlex	Range 100 A Range 6500 A Range 10 kA	100 mA to 100 A (10 to 6500) A 10 A to 10 kA	1 A 0.1 A & 1 A 1 A	±3 % Rdg + 600 mA ±3 % Rdg + 5 A ±3 % Rdg + 5 A

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

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<b>A Half Cycle</b>	SR193 &MR193 MN193 5A MN193 100A	(1 to 1200) A 5 mA to 6 A 100 mA to 120 A	0.1 A 1 mA 10 mA	$\pm 1\%$ Rdg + 1 A $\pm 1\%$ Rdg + 10 mA $\pm 1\%$ Rdg + 100 mA
<b>Frequency</b>	(40 to 70) Hz		0.01	$\pm 0.01$ Hz
<b>Power</b>				
<b>Watts (VA, var) P-Q-S</b>	<b>Probes: AmpFlex MiniFlex</b>	10 mW to 10 MW 10 mW to 10 MW	4 digits min 4 digits min	$\pm 1\%$ Rdg $\pm 1.5\%$ Rdg
<b>Power Factor (Cos <math>\Phi</math>/DPF)</b>		-1 to 1	0.001	$\pm 1^\circ$ for $\Phi$ , +5 cts for cos $\Phi$
<b>Energy</b>				
<b>kWh (kVAh, kvarh) P-Q-S</b>	(1 to 9,999,999Wh (MVAh, Mvarh))			$\pm 1\%$ Rdg
<b>Harmonics</b>	DC, 1 to 50			
<b>Volts &amp; Amp %</b>	f r Absolute V Absolute A THD	(0.0 to 1500) % (0.0 to 100) % (0.0 to 1000) V (0.0 to 1000) A (0.0 to 999.9) %	0.1 % 0.1 % 0.1 V 0.1 A 0.1 %	$\pm 2.5\%$ Rdg + 5 cts $\pm 2.5\%$ Rdg + 5 cts $\pm 2.5\%$ Rdg + 1 V $\pm 2\%$ Rdg + 1 A $\pm 2.5\%$ Rdg + 5 cts
<b>Phase Angle</b>		(-179 to 180) $^\circ$	1 $^\circ$	$\pm 1.5^\circ$ +1 $^\circ$ x (n/12.5)
Also display Energy loss, Flicker, Plt (2H), Pst (10min), Unbalance V% & A%				
<b>General Features</b>				
<b>Programmable Alarm</b>	Up to 40 types: 16,000 recorded max.			
<b>Transient capture</b>	Up to 210			
<b>Snapshot</b>	Up to 50 (screen BMP + all channels data)			
<b>Interface</b>	Isolated USB, SD card slot accessible under instrument battery for direct transfer to PC, Dataview <sup>®</sup> software for real time data, configuration and reporting included			
<b>Memory</b>	SD card (SDHC compliant, not formatted) standard, for trend Data, Internal memory for In-Rush, transients and alarms			
<b>Display</b>	Color TFT 320 x 240 (1/4 VGA) with graphic representation of system parameters and measurements			
<b>Real-Time Clock</b>	Time and date stamp for Trend mode, Transient display, System Monitor and event capture			
<b>Power Supply</b>	Rechargeable 9.6 V NiMH battery pack, External charger			
<b>Charging Time</b>	(90 to 264) VAC (50/60) Hz	6 h approx.		
<b>Battery Life</b>	> 13 h when display ON, 25 h when recording with display OFF			
<b>Dimensions (L x W x H)</b>	(9.8 x 7.9 x 2.6) in (250 x 200 x 67) mm			
<b>Weight</b>	4.3 lbs (1.95 kg)			
<b>Altitude Operating</b>	2000 m (6560 ft)			

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<b>Operating Temperature</b>	(32 to 108.5) °F (0 to 42.5) °C ≤ 85 % RH
<b>Storage Temperature</b>	(-4 to 158) °F (-20 to 70) °C ≤ 75 % RH without battery
<b>IP Rating</b>	IP53 per IEC 60529
<b>Safety</b>	IEC/EN 61010-1 (1000 V CAT III-600 V CAT IV), IEC 1326-1 <span style="float: right;">CE</span>

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