



PowerPad® Model 8435

Cat. #2136.41

Discontinued, replaced by Model 8336

Cat.#2136.41

Inputs	4 Voltage / 4 Current			
Sample Rate	256 per Cycle	12.8kHz at 50Hz	15.36kHz at 60Hz	
Specification	Range	Measurement Range	Resolution	Accuracy (Typical)
Volt				
Vrms (AC + DC)	1200V P to N 2400V P to P	1V to 1000V	0.1V	±0.5% Rdg + 0.2V
Vpk	1697V P to N	1V to 1697V	0.1V	±1% Rdg + 1V
Vrms Half Cycle	1000V P to N 2000V P to P	1V to 1000V	0.1V	±0.8% Rdg + 1V
Amps (accuracy excluding clamp accuracy)				
Amps (AC + DC)	SR193 & MR193 MN193 5A MN193 100A	1 to 1000A 5mA to 5A 100mA to 100A	0.1A 1mA 10mA	±0.5% Rdg + 200mA ±0.5% Rdg + 2mA ±0.5% Rdg + 20mA
AmpFlex& MiniFlex	Range 6500A Range 10kA	10 to 6500A 10A to 10kA	0.1A & 1A 1A	±0.5% Rdg + 1A ±0.5% Rdg + 1A
Apk	SR193 & MR193 MN193 5A MN193 100A	1 to 1,697A 5mA to 7.017A 100mA to 169.7A	1A 1mA 10mA	±1% Rdg + 1A ±1% Rdg + 10mA ±1% Rdg + 100mA
Apk AmpFlex & MiniFlex	Range 6500A Range 10kA	10 to 9192A 10A to 14.14kA	0.1A & 1A 1A	±1.5% Rdg + 5A ±1.5% Rdg + 5A

For more details, download the datasheet or user manual at www.aemc.com

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A Half Cycle	SR193 &MR193 MN193 5A MN193 100A	1 to 1000A 5mA to 5A 100mA to 100A	0.1A 1mA 10mA	±1% Rdg + 1A ±1% Rdg + 10mA ±1% Rdg + 100mA
Frequency	40 to 70Hz		0.01	±0.01Hz
Power				
Watts (VA, var) P-Q-S	Probes: AmpFlex, MiniFlex	5mW to 10MW 5mW to 10MW	4 digits min 4 digits min	±1% Rdg ±1.5% Rdg
Power Factor (Cos Φ/DPF)		-1 to 1	0.001	±1° for Φ, +5 cts for cos Φ
Energy				
kWh (kVAh, kvarh) P-Q-S	1mWh to 9,999,999MWh (MVAh, Mvarh)			±1% Rdg
Harmonics	DC, 1 to 50			
Volts & Amp %	f r Absolute V Absolute A THD	0.0 to 1500% 0.0 to 100% 0.0 to 1000V 0.0 to 1000A 0.0 to 999.9%	0.1% 0.1% 0.1V 0.1A 0.1%	±2.5% Rdg + 5cts ±2.5% Rdg + 5cts ±2.5% Rdg + 1V ±2% Rdg + 1A ±2.5% Rdg + 5cts
Phase Angle		-179° to +180°	1°	±1.5° +1°x(n/12.5)
Also display Energy loss, Flicker, Plt (2H), Pst (10min), Unbalance V% & A%				
General Features				
Programmable Alarm	Up to 40 types: 10,000 recorded max.			
Transient Capture	Up to 210			
Snapshot	Up to 50 (screen BMP + all channels data)			
Interface	Isolated USB, SD, Dataview software for real time data, configuration and reporting included			
Memory	SD card (SDHC compliant, not formatted) standard, for trend Data, Internal memory for In-Rush, transients and alarms			
Display	Color TFT 320 x 240 (1/4 OFT) with graphic representation of system parameters and measurements			
Real-Time Clock	Time and date stamp for Trend mode, Transient display, System Monitor and event capture			
Power Supply	Rechargeable 9.6V NiMH battery pack, External charger			
Charging Time	90 to 264VAC (50/60Hz)	6 hours approx.		
Battery Life	>10hrs when display ON, 35hrs when recording with display OFF			
Dimensions (L x W x H)	10.6 x 9.85 x 7.09" (270 x 250 x 180mm)			
Weight	8.16 lbs (3.7kg)			

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Altitude Operating	2000m (6560ft)	
Operating Temperature	32° to 122°F (0° to 50°C)	
Storage Temperature	-4° to 122°F (-20° to 50°C)	
IP Rating	IP67 per IEC 60529 when housing close and A196 used	
Safety	IEC/EN 61010-1 (1000V CAT III-600V CAT IV), IEC 1326-1	

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