



PowerPad® IV Model 8345

Cat. #2136.35

Class A, TRMS, 1000 Vrms AC/DC, 10 kArms/5000 ADC, frequency, transients, harmonics, energy, DataView $^{\circledR}$ software

The PowerPad® IV Model 8345 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 precise diagnostics and power quality work on one-, two- or three- phase networks. Five voltage and four current isolated inputs are provided. It is IEC 61000-4-30 Class A and safety rated to 1000 V CAT IV.

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ELECTRICAL		
	Measurement Range without Ratio (with unity ratio	
Measurement Frequency	Min	Max
	42.50 Hz	69.00 Hz
Inputs	5 Voltage / 4 Current, isolated	
Voltage	5 V to 1,000 VAC and VDC	
Harmonics Mode	DC to 127th order; < 3% Udin	
Interharmonics Mode	0 to 126th order; < 0.5% Udin	
Inrush & Transient Capture (number)	No maximum (limited by SD card)	
Shockwaves (Fast transient)	Up to 12 kV sampled every 500 ns	
Flicker (Pst)	< 0,1	
Voltage Unbalance (u0,u2)	0.5 to 5 % (absolute); ±0.15 % (absolute)	
Trend Recording recommended)	> 900 parameters 3 days with a sampling period of 200 ms 15 days with a sampling period of 1 s 45 days with a sampling period of 3 s	
Sampling Rate	Voltage 400 kSps / Current 200 kSps / Surge 2 MSps	
Alarm Mode Types / Number	52 / 20,000 with Email notifications	
Real-time Mode	Yes	
Power Mode	Yes	
Energy Mode	Composite	

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



Unbalance Mode	Yes	
Screenshots	No maximum (limited by SD card)	
Power Supply	Power from phase from 100 to 1000 V AC/DC with external supply block (included)	
Carrier Current Detection	Yes	
Battery	5.8 Ah Li-ion battery pack (included) ≤6 hrs w/ display on; ≤10 hrs w/ display off	
MECHANICAL		
Data Storage	16 GB SD-Card (included) for snapshot,transients, alarms and trend recording	
Display	7 in color LCD touch screen: 800 x 480 (WVGA)	
Clock / GPS	Yes, built-in	
Operating Temperature	32 °F to 104 °F [+0 °C; +40 °C]	
Communication	USB, Ethernet, Wi-Fi, Web server, IRD server, USB port (type A)	
Dimensions	(7.87 x 11.22 x 2.17) in (200 x 285 x 55) mm	
Weight (meter only)	4.19 lbs (1.9 kg)	
COMPLIANCE & STANDARDS		
Safety	IEC 61010 1000 V CAT IV	
Ingress Protection	IP54	
Environmental	IEC 61557-12 & IEC 62586	
Measurement Standard	IEC 61000-4-30 (Ed 3) Class A (Full)	
EN50160 Monitoring Mode	Yes, with DataView® software	
Warranty	*3 years (registration must be done within 30 days of the date of purchase)	

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