





PowerPad® III / PowerPad® IV - Class A				
Power Quality Analyzer Family	8333	8336	8436	8345
	PowerPad III			PowerPad IV - Class A IEC 61000-4-30
AEMC Catalog Number	2136.10	2136.30	2136.43	2136.35
Class A certified per IEC 61000-4-30?	No			Yes
Number of inputs (V / A)	4V / 3A	5V / 4A		
Number of input channels (V / A)	3V / 4A	4V / 4A		
Sampling Rate	256 samples per cycle on V,A			512 samples per cycle on V,A
Voltage MAX - AC / DC (TRMS)	Ph-N (1000Vac / 1200Vdc) ; Ph-Ph (2000Vac /2400Vdc)			
Voltage Ratio	up to 173MV			
Current AC / DC (TRMS) (probe dependent)	5mA - 10kAac / 10mA - 5000Adc			
Current Ratio	up to 60kA			
Line Frequency	40 to 70Hz			42.5 to 69Hz
Harmonics	orders 0 to 50			orders 0 to 63
Interharmonics	No			Yes - up to the 62nd
Power Values	W, VA, var, VAD, PF, DPF, cos φ, tan φ			
Energy Values	Wh, VAh, varh, VADh			
Energy Values per IEEE 1459	Yes (P, Q1, D, N, S)			
Energy Unit Options (Wh, BTU, Joule, TOE)	No	Yes		
Transient Captures	50	210		1000
Shockwaves (Fast Transients)	No			Yes - up to 12kV
MSV (Mains Signaling Voltage) Levels	No			Yes - up to 3kHz
InRush	No	Yes		
Alarms	4,600+ of 10 types	16,000+ of 40 types		20,000+ of 40 types
Alarm Email Notifications	No			Yes
Screen Captures ("Photos")	12	50		Limited by SD Card space
Flicker - Pst / Plt / Pinst	Yes / No / No	Yes / Yes / No		Yes / Yes/ Yes
Unbalance	Yes			
THD	Yes			
Min / Max / Peak Values	Yes / Yes / Yes			
Phasor (Fresnel) Diagram	Yes			
Transformer Factor K or K-Factor?	Factor K			
Transformer Harmonic Loss Factor (FHL)	Yes			
Monitoring Mode (EN50160)	Yes			
Aggregation/Demand Periods	1s to 15min (8 options)			200mS to 2hrs (19 options)
Recording Duration	1 day to several weeks	1 day to several years		
Recording Memory (any SD card size)	256MB max	2GB max		Limited by SD card size
Downloading Recordings	Download via established communication method or direct SD card read from PC			
Communication Methods	USB			USB/Ethernet WiFi/DataViewSync®
VNC (Virtual Network Connection)	No			Yes - Web Server
Multiple User Profiles	No			Yes - 3 total
Touch Screen	No			Yes
GPS Clock Synchronization	No			Yes
Software	Yes - DataView® Included			
Languages	26			22
Power Supply	120 VAC ±10% @60 Hz 230 VAC ±10% @50 Hz 9.6V NiMH battery		110 V-1000 V, DC to 440 Hz, 9.6 V NiMH battery	100/150 VAC/VDC - 1000 VAC/DC, 40-70 Hz, 240-440 Hz, 10.9 V Li-ion battery
Battery Life	>15 hours (recording)			~6 hrs (screen on) ~10 hrs (screen off)
Power from phase	Yes, using optional "Phase Power Adapter", up to 1000V			Yes - Built into meter
Electrical Safety	600V CAT IV / 1000V CAT III			1000 V CAT IV
Protection	IP 53 / IK 08		IP 67	IP 54 / IK 06
Dimensions	7.9 x 9.8 x 2.6"		10.6 x 9.8 x 7.1"	7.87 x 11.22 x 2.17"
Weight	3.97 lbs		8.2 lbs	4.41 lbs
Warranty	2 years; extended to 3 years if registered within 30 days of purchase			
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