PowerPad® IV Model 8345

Cat. #2136.35

Class A, TRMS, 1000 Vrms AC/DC, 10 kArms/5000 A$_{DC}$, frequency, transients, harmonics, energy, DataView® 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.

Cat.#2136.35

ELECTRICAL		
Measurement Frequency	**Measurement Range without Ratio (with unity ratio)**	
	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	

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 CE
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)