

Dash 8XPM Specifications

Signal Modules	
Maximum Modules	8 per unit
Supported modules	IHV1, IHV2
Channels	3 voltage, 3 current
Auxiliary channels	Modules 7 and 8
Scaling	Yes, using VT or CT ratios
IHV1 Module	
Maximum voltage	250Vrms CAT II
Bandwidth	39 kHz
Input impedance	>1 M Ohm
IHV2 Module	
Maximum voltage	600Vrms CAT II, 300Vrms CAT III
Bandwidth	34 kHz
Input impedance	4 M Ohm (differential)
Continuous Recording	
Recording method	Internal disk drive
Sample rate	6,250 samples per second per channel in Continuous Mode
Drive capacity	73 GB
Recording time	up to 88 hours in Continuous Mode (dependent on free disk space)
Color Display	
Display	Full screen waveform or split screen w/analysis
Waveform display	Voltage/current or phase groups

Analysis display	Up to 10 tabbed screens of analysis
Viewing area	15" diagonal
Resolution	XGA (1024 x 768)
Touch screen	Full-screen, resistive
Recorder Mode	
Analysis	Real-time calculations
Continuous recording	All waveforms with one-button start/stop
Event logging	Simultaneous with continuous waveform recording
Review Mode	
Analysis	Post-capture calculations
Derived channels	Graphic plots of trend data. Includes Vrms, Irms, apparent power, real power, reactive power, power factor, frequency, voltage THD, current THD, voltage unbalance and current unbalance
Event scan	Reconfigure event criteria and scan through captured data
Transient Mode	
Sample rate	200,000 samples per second per channel in Transient Mode
Event Logging	Yes
Logged Event Types	
Voltage	Interrupt, sag, swell, transient, frequency, total harmonic distortion, individual harmonic, individual interharmonic, unbalance
Current	Transient, RMS thresholds, total harmonic distortion, individual harmonic, individual interharmonic, unbalance
Power	Power factor, absolute power, active power, reactive power, leading/lagging
Analysis Functions	

Harmonics / Interharmonics	Graphical display for any phase (voltage or current); total harmonic distortion percentage
Phase diagrams	Vector diagrams for voltage and current
RMS values	Calculated for all phases, voltage and current
Power values	Absolute power (kVA), active power (kW), reactive power (kVAR) and power factor
Sequential components	Positive, negative, and zero sequence; voltage or current; percentage unbalanced
Power	
Input Voltage Range	100 to 250 VAC
Frequency Range	47 Hz to 63 Hz
Power Factor	0.99
Power Consumption	150 W maximum (<100 W typical)
Physical	
Enclosure	Aluminum
Dimensions	12.6" H x 16.7" W x 4.5" T (without feet)
Weight	20 lbs (with 8 modules)
Environmental	
Operating Temp	5 to 40 °C (40 to 105 °F)
Operating Humidity	10% to 90% non condensing

Specifications are subject to change. Registered trademarks belong to their respective companies.