

Specifications for the PowerXplorer PX5

Specifications

General Specifications	<ul style="list-style-type: none">• Size (H x W x D): 12" x 2.5" x 8" (30cm x 6.4cm x 20.3 cm)• Weight: 4.2 pounds (1.9 kg)• Operating Temperature: 0 -50 (32 to 122)• Storage Temperature: -20 to 55 (4 to 131 F)• Humidity: 10 to 90% non-condensing• System Time Clock-Crystal controlled-1 second resolution• Charger /Battery Eliminator: 90-264 VAC 47-63 Hz• Display: LCD color touch screen• Memory options (must have one): 32M-128M removable compact flashcard
Measured Parameters	<ul style="list-style-type: none">• (4) differential inputs, 1-600 Vrms, AC/DC, 0.1% rdg, 256 samples/cycle, 16 bit ADC• (4) inputs with CTs 0.1-6000 Arms CT-dependent, AC/DC, 0.1%rdg + CTs, 256 samples/cycle, 16 bit ADC• 1 MHz High Speed Sampling, 14 bit ADC, 1%FS• Frequency Range, 10m Hz resolution, 45-65 Hz or 380-420 Hz• Phase Lock Loop - Generator tracking• Phase Lock Loop - Standard PQ mode
Monitoring/Compliance	<ul style="list-style-type: none">• IEEE 1159• IEC 61000-4-30 Class A• EN50160 Quality of Supply• Current Inrush / Energization• Voltage Fault recording• Long Term Monitoring• Continuous Data Logging w/min/max/avg
Power Quality Triggers	<ul style="list-style-type: none">• Cycle-by-cycle analysis• 256 samples/cycle; 1/2 cycle RMS steps (1)• L-L, L-N, N-G RMS Variations: Sags/swells/interruptions)• RMS Recordings V&I (32 pre-fault, 10K post-fault cycles)• Waveshape Recordings (2/6/2 cycles)• Low and Medium Frequent Transients - V&I• High Frequency Transients - V&I, 3% FS trigger (1)• Harmonics Summary Parameters• Cross trigger V & I channels• RMS Event Characterization (IEEE or IEC)• Transient Event Characterization (1)
Distortion/Power/Energy	<ul style="list-style-type: none">• W, VA, VAR, TPF, DPF, Demand, Energy, etc.• IEEE 1459 Parameters of distorted and unbalanced• Harmonics/Interharmonics per IEC 1000-4-7• THD/Harmonic Spectrum (V,I,W) to 63rd• TID /Interharmonic Spectrum (V,I) to 63rd• Flicker per IEC 1000-4-15 (Pst,Plt,Sliding Plt)• Crest Factor, K Factor, Transformer Derating Factor, Telephone Interference Factor• Unbalance (max. rms deviation) & sequencing components• 5 User Spec Harmonics or Signaling Frequency• Vector/Arithmetic/Coincident Parameters
Available Languages	English, French, Italian, German, Spanish, Swedish