

## Duncan Instruments Canada Ltd.

### Specifications for the PowerVisa

<b>Measured Parameters</b>	(4) differential inputs, 1-600V rms, AC/DC, 0.1% rdg , 256 samples/cycle, 16bit ADC (4) inputs with CTs 0.1-3000A rms, AC/DC, 256s/c, 0.1% rdg + CTs, 16 bit ADC Frequency range, 10mHz resolution, 45-65 Hz Phase Lock Loop - Standard PQ mode
<b>Monitoring/Compliance Modes</b>	IEEE 1159 IEC 61000-4-30 EN50160 Current Inrush / Energization Voltage Fault recording Quality of Supply (EN50160 or annunciator) Long Term Monitoring Continuous Data Logging w/min/max/avg
<b>Distortion/Power/Energy</b>	W, VA, VAR, TPF, DPF, Demand, Energy Harmonics/Interharmonics per IEC 1000-4-7 THD/Harmonic Spectrum (V,I,W) to 63rd TID/Interharm. Spectrum (V,I) to 63rd Flicker per IEC 1000-4-15 (Pst,Plt,Sliding Plt) CF, KF, TDF, TIF Unbalance (rms dev. & sequencing components)
<b>Power Quality Triggers</b>	Cycle-by-cycle analysis 256 samples/cycle; 1/2 cycle RMS steps L-L, L-N, N-G RMS Variations: Sags/swells/interruptions) RMS Recordings V & I (x/x/x cycles) Waveform Recordings (2/6/2 cycles) Low and Medium Freq Transients - V & I Harmonics Summary Parameters Cross trigger V & I channels RMS Event Characterization (IEEE or IEC)
<b>General Specifications</b>	Size (HxWxD): 12" x 2.5" x 8" (30cm x 6.4cm x 20.3 cm) Weight: 3.8 pounds(1.8 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: Crysral 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