

Specifications for the PowerGuide 4400

Specifications

Measured Parameters

- (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

Monitoring/Compliance Modes

- 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

Power Quality Triggers

- 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)

Distortion/Power/Energy

- 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)

General Specifications

- 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: Crystal controlled, 1 second resolution
- Charger /Battery Eliminator: 90–264 VAC 47–63 Hz
- Display: LCD color touch screen

Additional Detailed Specs

- Memory options (must have one): 32M–128M removable compact flashcard
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