

POWERGUIDE 4400

SPECIFICATIONS

Measured Parameters

(4) differential inputs, 1-600 Vrms, AC/DC, 0.1% rdg, 256 samples/cycle, 16 bit ADC
(4) inputs with CTs 1-6000 Arms, CT-dependent, AC/DC, 256 samples/cycle, 0.1% rdg + CTs, 16 bit ADC
Frequency range, 10 mHz resolution, 45-65 Hz
Phase Lock Loop - Standard PQ mode

Monitoring/Compliance

IEEE 1159
IEC 61000-4-30 Class A
EN50160 Quality of Supply
Current Inrush/Energization
Voltage Fault Recording
Long Term Monitoring w/min/max/avg
Continuous Data Logging

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 (32 pre-fault, 10K post-fault cycles)
Waveshape Recordings (32 pre-fault, 10K post-fault cycles)
Low and Medium Frequency 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, etc.
Harmonics/Interharmonics per IEC 61000-4-7
THD/Harmonic Spectrum (V,I,W) to 63rd
TID/Interharm. Spectrum (V,I) to 63rd
Flicker per IEC 61000-4-15 (Pst,Plt,Sliding Plt)
Crest Factor, K Factor, Transformer Derating Factor,
Telephone Interference Factor

Available Languages

English, French, Italian, German, Spanish, Swedish

General Specifications

Size (HxWxD): 12" x 2.5" x 8" (30cm x 6.4cm x 20.3cm)
Weight: 3.8 pounds (1.8 kg)
Operating Temperature: 0° to 50° C (32° to 122° F)
Storage Temperature: -20° to 55° C (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

Optional Accessories

Current Probes: An extensive selection, including:
Model TR-2510A 0-10 A; up to 0.47" conductors
Model TR-2500A 10-500 A; up to 1/8" diameter or 2.5" x 0.2" conductors
Model TR-2520A 300-3000 A; up to 2.56" diameter or 1.97" x 5.3" (bus bar)
Model TR-2019B 1-300 A; up to 2.0" conductors (requires 116002-G1 adapter)
Flexible probes: ranging in current from 30-6000 A, 24", 36", 48"
Hall Effect Probes for AC/DC applications, 150 A or 1500 A
CT Cable Adapter (CA4300LEM)
Voltage Cable Accessory Pack (VCP4300)
Soft Carrying Case (SCC-4300)
Field Replaceable Battery Pack (BP-PX5)
External Battery Charger (XBC-PX5)
Reusable Shipping Container (RSC-4300)
Weatherproof Container (NEMA4300)
Lockable Portable Case (LPC-4300)
Portable Field Printer (PFP4300)
Communications Interface:
RS232 FiberOptic Adapter (COMM-RS232)
USB FiberOptic Adapter (COMM-OUA)
LAN-FiberOptic Adapter (COMM-OEA)
DRAN-VIEW software: Runs under Windows 98, ME, NT and XP
NodeLink® with download, setups and meter
CD-ROM Training Program

POWERGUIDE 4400 Power Quality Analyzer



"Out of the Box and Ready To Go,"

3-phase, 8-channel

Power Monitoring Instrument

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