

# PowerVisa

## Measurement Parameters

(4) differential inputs, 1-600Vrms, AC/DC, 0.1% rdg + 0.05% FS, 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, IEE 519, MIL STD 1399, MIL STD 704

IEC 61000-4-30 Class A

EN50160 Quality of Supply

Long Term Monitoring w/min/max/avg

Continuous Data Logging

MIL STD 1399, MIL STD 704F

## 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  
(30 pre-fault, 100 post fault cycles)

Waveshape Recordings V & I  
(30 pre-event, 100 post-event cycles)

Low and Medium Frequency Transients - V & I

Harmonic Summary Parameters

Cross trigger V & I channels

RMS Event Characterization (IEEE and 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

Flicker per IEC 61000-4-15 (Pst,Plt,Sliding Pit)

Crest Factor, K Factor, Transformer Derating Factor,  
Telephone Interference Factor

## Available Languages

English, Simplified Chinese, Traditional Chinese,  
Finnish, French, German, Italian, Korean, Spanish,  
Swedish, Thai

## 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: 4 gigabyte removable compact flashcard

## Optional Accessories

### Current Probes:

Model TR-2510B - 0.1-10A; up to 0.47" conductors

Model TR-2500B - 10-500 A; up to 1/8" diameter or  
2.5" x 0.2" conductors

Model TR-2520B - 300-3000 A; up to 2.56" diameter  
1.97" x 5.3 (bus bar)

Flexible probes ranging in current from 3-300A,  
6", 8", 12"

Flexible probes: ranging in current from 30-6000A,  
24", 36", 48"

Hall Effect Probes for AC/DC applications, 150A or 1500A

CT Cable Adapter (CA4300LEM)

Voltage Cable Accessory Pack (VCP4300)

Soft Carrying Case (SCC-4300)

Field Replaceable Battery Pack (BP-PX5)

Reusable Shipping Container (RSC-PX5)

Weather Resistant Container (ENCL-HH)

Lockable Portable Case (LPC-4300)

Communications Interface:

RS232 FiberOptic Adapter (COMM-RS232)

USB FiberOptic Adapter (COMM-OUA)

Lan-Fiber Optic Adapter (COMM-OEA)

DRAN-VIEW software: Runs under Windows 7, XP, 98, ME,  
and NT

NodeLink® to communicate and download the instruments  
data

CD-ROM Training Program



THE STANDARD FOR ENERGY & POWER MEASUREMENT

# PowerVisa

## Power Quality Analyzer



Advanced, Accurate & Automated



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