

SPECIFICATIONS

MEASURED PARAMETERS

(4) Differential Voltage: 16 bit resolution

0-1000Vrms, AC/DC, $\pm 0.1\%$ reading, $<40V \pm 0.5\%$ FS

IEC 61000-4-30 Class A: 60-1000Vrms, $\pm 0.1\%$ of Udin, range of 10% ~ 150% of Udin

Transients: 0-1400Vpk, $\pm 0.2\%$ of Udin

(4) Current (rms): 512 s/c, 16 bit resolution

Range probe dep., AC/DC, $\pm 0.1\%$ reading
 $\pm 0.05\%$ FS

Transients: Range probe dep., $\pm 0.2\%$ of Udin

Frequency:

16-25Hz, 42.5-69Hz, ± 0.01 Hz

CALCULATED PARAMETERS

Power/Energy - 1 Second sampling

Real Power (W) - P: meets 0.2S requirements, range probe dep.

Apparent Power (VA) - S: meets 0.2S requirements, range probe dep.

Reactive Power (var) - Q: meets 0.2S requirements, range probe dep.

Power Factor (W/VA) - "true" 1 to 0 to -1

Displacement PF 1 to 0 to 1

Demand (in W): meets 0.2S requirements, range probe dep.

Energy (in Wh): meets 0.2S requirements, range probe dep.

Distortion - 200ms, 3 sec, 10 min windows

Vthd: 0-100%, $\pm 5\%$ for $V \geq 1\%$ Vnom,

V Ind Harm: DC, 2-127, $\pm 5\%$ for $V \geq 1\%$ Vnom

Ithd: 0-100%, $\pm 5\%$ for $I \geq 1\%$ Vnom,

I Ind Harm: DC, 2-63, $\pm 5\%$ for $I \geq 1\%$ Vnom

Misc.

Pst - 10 minutes: 0.2-10, ± 0.05 @ Pst=1

Plt - 2 hours: 0.2-10, ± 0.05 @ Pst=1

EASE OF USE FEATURES

Automatic Setups

Pre-programmed monitoring modes

Dashboards - PQ, Demand & Energy

Simultaneous PQ, Demand & Energy Monitoring

Mini Report

STANDARDS COMPLIANCE

Power Quality

IEC 61000-4-30 Class A: Edition 2 (2008)

IEEE 1159: 2009

* Future firmware upgrade to Edition 3

Power

IEEE 1459: 2000

Harmonics

IEC 61000-4-7 Class 1: Edition 2 (2008)

IEEE 519: 2014

Voltage Flicker

IEC 61000-4-15: Edition 2 (2010)

IEEE 1453: 2011

Compliance/Testing

EN 50160: 2010

GENERAL SPECIFICATIONS

Size (10" w x 8" h x 2.75" d) (25.4cm x 20.3cm x 7.00 cm)

Weight: 2 kg, 4.3lbs

Operating temperature: 0 to 50 deg C

Storage temperature: -20 to 60 deg C

Humidity: 10-90% non condensing

Clock accuracy and resolution

Internal: ± 1 sec/day at 25deg C

NTP: ± 10 msec

GPS: ± 1 msec

AC Adapter: 90-264(max) 50/60Hz

Battery capacity and charge time: 3 hours run time on full charge

(2 hour charge time)

Memory size: 4GB

Display: 7" WVGA color graphic, Icon based touch LCD, LED Backlit

Languages: English, German, Spanish, French, Italian, Swedish, Finnish, Polish, Chinese (traditional and simplified), Thai, Korean

COMMUNICATIONS

Ethernet

USB On the Go

Bluetooth via USB adapter (optional)

VNC remote control

Android® & Apple® App



The Best Value in a PQ & Energy Monitoring Analyzer

