

Vip+

Power Quality Recorder

Communications

Type: Serial Cable

Remote: Optional 14.4 kbps MNP-10 Modem

Mechanical Specifications

Dimensions: 6.5 in. X 6.5 in. X 4.25 in.

Weight: 5.0 lbs

Case: NEMA 4X

Capacity

Summary Data: Over 1 year

Event Data: 500 records

Significant Change Data: 1000 records

Flicker Data: 1000 records

Electrical Specifications

Inputs:

- AC Voltage:** 0 to 600 VAC
- AC Current:** 0 to 10, 100, 1000, 5000 amps
- Sample Rate:** 256 samples/cycle
- Voltage:** 4 channels
- Current:** 4 channels

Local Output:

- Type:** Wide Temperature Range LCD
- Size:** 4 by 20 character
- Interface:** Menu Driven
- PDA:** Palm™ platform (optional)



Measures: Volts, Amps, Watts, VAs, VARs, Degrees, Watts/VA, phase angle, kWh, kVARh, kVAh



Accuracy:

- Voltage:** 0.33% of full scale
- Current:** 1.0% of full scale
- Power:** 1.0% of full scale
- Phase Angle:** 1.0 degree
- Power Factor:** ± 0.02
- Displacement Power Factor:** ± 0.02

Display Resolution:

- Voltage:** 1.0V/0.1V
- Current:** 1.0A/0.1A
- Power:** 20W/20W
- VAR:** 20VAR/20VAR
- VA:** 20VA/20VA
- Phase Angle:** 1 degree/1 degree
- Power Factor:** 0.01/0.01
- Displacement Power Factor:** 0.01/0.01
- Power Usage:** 0.001kWh/0.001kWh

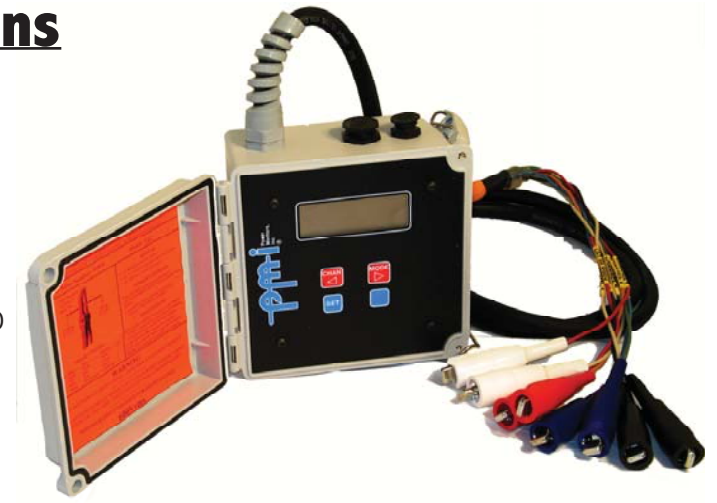
Controls:

- Stripchart Settings:** 1 second to 4 hrs
- Significant Change:** 1V to 8V, in 1V steps
- Flicker Settings:** User defined or standard
- Battery Voltage Check:** Automatic
- Keypad:** 4 key membrane

Harmonics:

- Voltage/Current:** measures to the 51st
- Measures:** magnitude, phase, THD

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Environmental

- Operating Temperature:** -20 to 135 degrees F
- Vibration:** 10 Hz to 60 Hz, Amplitude 1.8 mm

Battery Ride Through

The device operates with no input voltage for more than 1/2 hour. This allows it to measure down to 0 volts on all channels during power outage periods.



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