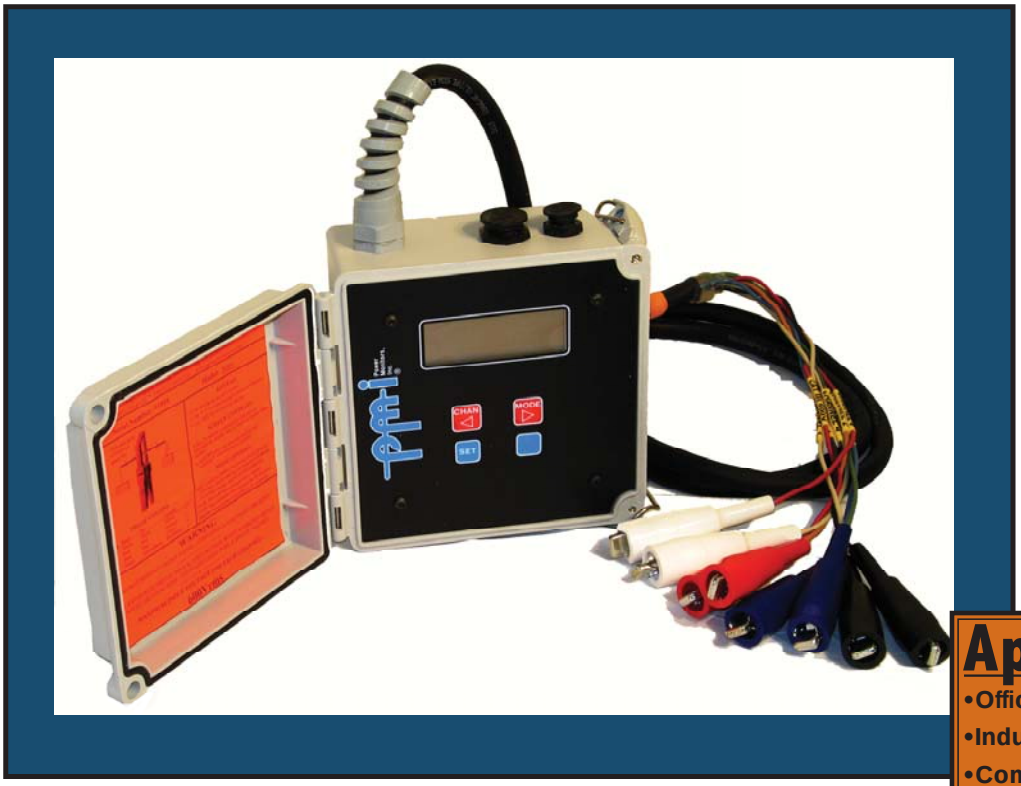
ViP+ (600V/5000A Max)

Three Phase Power Quality Recorder



Applications

- Office
- Industrial
- Commercial
- Distribution
- Transformers
- 3 Phase with neutral monitoring

Features & Benefits

• NEMA-4X housing	Offers outstanding durability and reliability
• Keypad and display	Programmable in field and allows viewing of real-time readings without other devices
• Electrically isolated inputs	Can monitor different circuits using different commons
• Advanced recording capability	Can measure harmonics, power features and waveform capture
• 4 channel input	Allows measurement of 3 phase and neutral to ground values

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ViP+

Three Phase Power Quality Recorder

Inputs:

AC Voltage	0 to 600 VAC
AC Current	0 to 20, 100, 200, 1000, 5000 amps
Sample Rate	256 samples/cycle/channel

Channels:

Voltage	4 channels
Current	4 channels

Local Output:

Type	Wide temperature range LCD
Size	4 by 20 character
Interface	Menu driven

Measured Quantities Per Cycle:

RMS Voltage	Volts
RMS Current	Amps
Real Power	Watts
Apparent Power	VAs
Reactive Power	VARS
Phase Angle	Degrees
Power Factor	Watts/VA
Power Usage	kWh, kVARh, KVAh

Accuracy:

Voltage	0.33% of full scale
Current	1.0% of full scale w/o probe
Power	1.0% of full scale w/o probe
Phase Angle	1.0 degree w/o probe
Power Factor	±0.02 w/o probe
Displacement Power Factor	±0.02 w/o probe

Physical Dimensions:

Dimensions	6.5 in X 6.5 in X 4.25 in
Weight	5 lbs
Case	NEMA 4X

Harmonics:

Voltage	to the 51st
Current	to the 51st
Measures	magnitude, phase, THD

Power Fail Operation:

The recorder can operate without any input voltage for up to 30 minutes. This allows it to record down to 0 volts on all channels during power outages.

Communi-cations:

Local	RS232 port
Data Range	4,800 to 28,800 baud

Display Resolution:

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

Information Storage:

Interval Graphs	4.1 MB
Summary Data	Over 1 year
Event Data	500 records
Significant Change Data	1000 records
Flicker Data	1000 records
Waveform Capture	504 KB

Record Settings:

Interval Graphs	1 cycle to 4 hour interval User selected, stop-when-full, or wrap around memory modes
Significant Change	1V to 8V in 1V steps
Flicker Settings	User-defined, or conform to IEEE Std. 141
Battery Voltage Check	Automatic
Keypad	4 key membrane
Waveform Capture	Voltage and current thresh-old, periodic capture

Power Supply Requirements:

Power Consumption	Less than 2 Watts

Environmental:

Operating Temp	- 20°F to + 135° F
Vibration	10Hz to 60Hz, amplitude 1.8mm

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