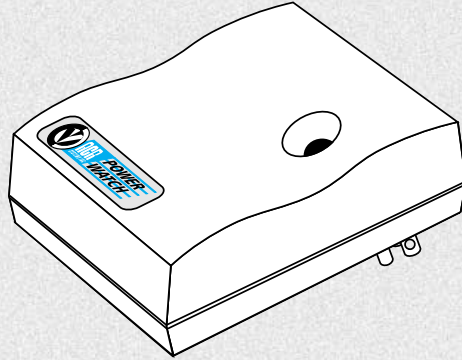# 120V Voltage Disturbance Recorder

MODEL 001

- ▶ Surges
- ▶ Sags
- ▶ Impulses
- ▶ Dropouts
- ▶ Outages
- ▶ Frequency Variations

Features

- ☐ Hot-Neutral; Neutral-Ground monitoring
- ☐ User-settable thresholds
- ☐ 4000 event memory
- ☐ No wiring, cables
- ☐ Safe operation
- ☐ Monitors as soon as it is plugged in
- ☐ Optically isolated interface cable
- ☐ Access data by modem

POWERWATCH is the easiest way to monitor and record essential voltage disturbance information from any 120 volt North American power receptacle. Just setup your pre-determined disturbance threshold values or use the industry standard default values and plug it in. No wiring or dangerous connections required.

North American receptacle.

Product Specifications

Memory Size:	4,000 events.
Common Specifications:	See page 12.
Software Specifications:	See page 13.

Surge, Sag & Outage

	Hot to Neutral	Neutral to Ground
Range:	0 to 200 V rms	3 to 200 V rms
Accuracy:	+/-1 V rms + resolution	+/-1 V rms + resolution
Resolution:	1 V rms	1 V rms

Impulse

	Hot to Neutral	Neutral to Ground
Range:	100 to 2500 V peak	50 to 2500 V peak
Accuracy:	+/-10% of reading + resolution	+/-10% of reading + resolution
Resolution:	10 V	10 V
Width Detection:	1 μsec minimum	1 μsec minimum
Phase Angle		
Accuracy:	+/-1° (20 to 180°, 200 to 360°)	+/-1° (20 to 180°, 200 to 360°)
Resolution:	1°	1°

Frequency

Range:	45 to 65 Hz.
Accuracy:	+/-0.1 Hz. (3 cycles minimum)
Resolution:	0.1 Hz.

Time

	Hot to Neutral	Neutral to Ground
Events (<1sec)		
Accuracy:	+/-0.5 cycle	+/-1 cycle
Resolution:	0.5 cycle	1 cycle
Time-stamp		
Accuracy:	+/-2 sec./day + resolution	
Resolution:	8 seconds	

Order Information

MODEL	COMPATIBILITY	CATALOG #
PWV-001	North America	01-0066

Measurement Solutions