



## PowerWatch 120V

### Voltage Disturbance Recorder - North America

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

#### APPLICATIONS

Auditing medical instrumentation, point-of-sale terminals, computer servers, and other sensitive electronic equipment.

#### GENERAL SPECIFICATIONS

Size:	85mm x 68mm x 35mm (3.35" x 2.65" x 1.35")
Weight:	120 g (4.00 oz)
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium, 1 Amp-Hour
Fuse:	1/16A fast-blow (Non-replaceable)
Clock Accuracy:	± 2 seconds per day
Memory Size:	32 KB (4,000 events)
Sampling Methods:	Continuous (First-in First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40°C to 70°C (-40°F to 158°F) and 0 to 95% RH (non-condensing)
Alarm Type:	Optical (flashing red LED)
Certifications:	CSA: NRTL/C; UL3111-1
Event Types Detected:	Surges, sags, impulses, dropouts, outages, and frequency variations
Measurement Locations:	Hot to Neutral and Neutral to Ground
PC Requirements:	Windows PC with at least one free USB or serial port (depending on interface)
Software Requirements:	EventReader Software (Compatible with Windows XP, Vista, Windows 7 and Windows 8 [32 bit & 64 bit])



#### MEASUREMENT SPECIFICATIONS

<b>Surge, Sag &amp; Outage</b>	<b>Hot to Neutral</b>	<b>Neutral to Ground</b>
Range:	0 to 200V rms	3 to 200V rms
Accuracy:	±1V rms + resolution	±1V rms + resolution
Resolution:	1V rms	1V rms
<b>Impulse</b>	<b>Hot to Neutral</b>	<b>Neutral to Ground</b>
Range:	100 to 2500V peak	50 to 2500V peak
Accuracy:	±10% of reading + resolution	±10% of reading + resolution
Resolution:	10V	10V
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°
<b>Frequency</b>		
Range:	45 to 65 Hz	
Accuracy:	±0.1 Hz (3 cycles minimum)	
Resolution:	0.1 Hz	
<b>Time</b>	<b>Hot to Neutral</b>	<b>Neutral to Ground</b>
Events (<1 second)		
Accuracy:	±0.5 cycle	±1 cycle
Resolution:	0.5 cycle	0.5 cycle
Time Stamp (>1 second)		
Accuracy:	±2 seconds/day + resolution	
Resolution:	8 seconds	

#### ORDERING INFORMATION

<b>Item</b>	<b>Cat#:</b>
PWV-001 (PowerWatch 120V NA VDR Only)	01-0066
Special PowerWatch Bundle: PWV-001 PowerWatch 120V NA VDR, LIC-102 USB Cable, EventReader Software	01-0069

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ISO 9001 Certified

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