PowerWatch 120V

Product Specifications

Type: *Voltage Disturbance Recorder - North America*

GENERAL SPECIFICATIONS

Size:	85mm x 68mm x 35mm (3.35" x 2.65" x 1.35")
Weight:	120 grams (4 ounces)
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium
Fuse:	1/16A fast-blow (Non-replaceable)
Clock Accuracy:	+/- 2 seconds per day
Memory Size:	32KB (4,000 events)
Sampling Methods:	Continuous (First-in First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40 to 70˚C (-40 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:	IBM PC or 100% compatible running Windows® 3.1, '95, '98, 2000, Me, NT or XP with at least 2 MB RAM, 2 MB of hard drive disk space and one free serial port
Software Requirements:	PowerWatch Software

MEASUREMENT SPECIFICATIONS

Surge, Sag & Outage	*Hot to Neutral*	*Neutral to Ground*
Range:	0 to 200 V rms	3 to 200 V rms
Accuracy:	+/- 1 Vrms + 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 + res	+/-10% of reading + res
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 miminum)	
Resolution:	0.1 Hz	
Time		
Events (<1 second)	*Hot to Neutral*	*Neutral to Ground*
Accuracy:	+/- 0.5 cycle	+/- 1 cycle
Resolution:	0.5 cycle	1 cycle
Time Stamp (>1 second)		
Accuracy:	+/- 2 seconds/day + resolution	
Resolution:	8 seconds	

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.



WARRANTY

Internal Battery:	**10 Years**
Data Logger:	**3 Years**

APPLICATIONS

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

Model#:	**Cat#:**
PWV-001	01-0066