

# PowerWatch 220/240V

## Product Specifications

**Type:** Voltage Disturbance Recorder  
- Australia, UK, & Europe

### GENERAL POWERWATCH SPECIFICATIONS

<b>Size:</b>	85mm x 68mm x 52mm (3.35" x 2.65" x 1.35")
<b>Weight:</b>	120 grams (4 ounces)
<b>Case Material:</b>	Noryl® Plastic
<b>Battery:</b>	3.6 volt Lithium, guaranteed for 10 years
<b>Fuse:</b>	1/16A Fast-blow (Non-replaceable)
<b>Clock Accuracy:</b>	+/- 2 seconds per day
<b>Memory Size:</b>	32KB; capable of storing up to 4,000 events
<b>Sampling Methods:</b>	Continuous (First-in First-out), Stop When Full (Fill-then-stop)
<b>Operating Limits:</b>	-40 to 70°C (-40 to 158°F) and 0 to 95% RH (non-condensing)
<b>Alarm Type:</b>	Optical; Red LED
<b>Certifications:</b>	CSA; NRTL/C; UL3111-1
<b>Event Types Detected:</b>	Surges, sags, impulses, dropouts, outages, and frequency variations
<b>Measurement Locations:</b>	Hot to Neutral and Neutral to Ground
<b>PC Requirements:</b>	IBM PC or 100% compatible with at least one free serial port, 2 MB RAM memory, and 2 MB of hard drive disk space



### SURGE, SAG & OUTAGE MEASUREMENT SPECIFICATIONS

	<i>Hot to Neutral</i>	<i>Neutral to Ground</i>
<b>Range:</b>	0 to 400 V rms	0 to 50 V rms
<b>Accuracy:</b>	+/- 2 Vrms + resolution	+/- 0.25 V rms +resolution
<b>Resolution:</b>	2Vrms	0.25 V rms

### IMPULSE MEASUREMENT SPECIFICATIONS

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

### FREQUENCY MEASUREMENT SPECIFICATIONS

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

### TIME MEASUREMENT SPECIFICATIONS

<b>Events (&lt;1 second)</b>	<i>Hot to Neutral</i>	<i>Neutral to Ground</i>
Accuracy:	+/- 0.5 cycle	+/- 1 cycle
Resolution:	0.5 cycle	1 cycle
<b>Time Stamp (&gt;1 second)</b>		
Accuracy:	+/- 2 seconds per day + resolution	
Resolution:	8 seconds	

PowerWatch 220/240V is the easiest way to monitor and record essential voltage disturbance information from any 220/240 volt Australian, European or UK 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

<b>Internal Battery:</b>	<b>10 Years</b>
<b>Data Logger:</b>	<b>3 Years</b>

### APPLICATIONS

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

<b>Model#:</b>	<b>Cat#:</b>
PWV-002-A	01-0205
PWV-002-U	01-0200
PWV-002-E	01-0215