



PowerWatch 220/240V

Voltage Disturbance Recorder - Australia, UK & Europe

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.

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:	PowerWatch Software (Compatible with Windows 2000 SP4, XP SP1 and Vista 32 bit)



MEASUREMENT SPECIFICATIONS

Surge, Sag & Outage		Hot to Neutral	Neutral to Ground
Range:		0 to 400V rms	3 to 200V rms
Accuracy:		±2V rms + resolution	±1V rms + resolution
Resolution:		2V rms	1V rms
Impulse		Hot to Neutral	Neutral to Ground
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°
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 (<1 second)			
Accuracy:		±0.5 cycle	±1 cycle
Resolution:		0.5 cycle	1 cycle
Time Stamp (>1 second)			
Accuracy:		±2 seconds/day + resolution	
Resolution:		8 seconds	

