



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

Range:
 Accuracy:
 Resolution:

Hot to Neutral

0 to 400V rms
 ±2V rms + resolution
 2V rms

Neutral to Ground

3 to 200V rms
 ±1V rms + resolution
 1V rms

Impulse

Range:
 Accuracy:
 Resolution:
 Width Detection:
 Phase Angle:

Hot to Neutral

100 to 2500V peak
 ±10% of reading + resolution
 10V
 1 µsec minimum

Neutral to Ground

50 to 2500V peak
 ±10% of reading + resolution
 10V
 1 µsec minimum

Accuracy:
 Resolution:

±1° (20 to 180°, 200 to 360°)
 1°

±1° (20 to 180°, 200 to 360°)
 1°

Frequency

Range:
 Accuracy:
 Resolution:

45 to 65 Hz
 ±0.1 Hz (3 cycles minimum)
 0.1 Hz

Time

Events (<1 second)
 Accuracy:
 Resolution:
 Time Stamp (>1 second)
 Accuracy:
 Resolution:

Hot to Neutral

±0.5 cycle
 0.5 cycle
 ±2 seconds/day + resolution
 8 seconds

Neutral to Ground

±1 cycle
 1 cycle

ORDERING INFORMATION

Item

PWV-002-A (Australia)
 PWV-002-U (United Kingdom)

Cat#:

01-0205
 01-0200

Item

PWV-002-E (Europe)

Cat#:

01-0215

