



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, 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

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

ACR Systems Inc
Toll-Free: 1.800.663.7845
Tel: 1.604.591.1128
sales@acrdatasolutions.com

www.acrdatasolutions.com
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