



## PowerWatch Software

### Specifications

This powerful and easy-to-use power quality analysis software application is developed exclusively for ACR's PowerWatch Voltage Disturbance recorder. With no programming hassles or complex menus, setup and downloading occurs in seconds.



### DOWNLOADING AND COMMUNICATING WITH POWERWATCH

Downloading and communicating with the PowerWatch VDR could not be more simple. Plug the optical interface cable (LIC-102) into a USB port on your computer and point the other end to the optical port on the PowerWatch. Communication begins immediately. No tools, cards or docking stations are required.

### SETUP INFORMATION

The following setup information is displayed in PowerWatch software; voltage disturbance threshold values, site descriptions, filename, start and stop date and time, and the recorder's serial number. Configure the threshold values for each voltage disturbance type and frequency or use the industry standard default values.

Event #	Start Time	Event	Extreme	End time/Duration/Degree
0	7/24/01 10:27:04 AM	Outage	0 Vrms	Open Event
119	7/24/01 10:27:04 AM	1 N-G Impulse	+160 Vp	57°
118	7/24/01 10:27:04 AM	N-G Surge	28 Vrms	10.0 cycles
117	7/24/01 10:27:04 AM	Outage	0 Vrms	41.0 cycles
116	7/24/01 10:27:04 AM	10 N-G Impulses	+480 Vp	89°
115	7/24/01 10:27:04 AM	10 N-G Impulses	-160 Vp	89°
114	7/24/01 10:27:04 AM	10 N-H Impulses	+450 Vp	88°
113	7/24/01 10:27:04 AM	Outage	0 Vrms	9.0 cycles
112	7/23/01 02:37:12 PM	H-N Sag	104 Vrms	7.5 cycles
111	7/23/01 02:36:32 PM	H-N Sag	104 Vrms	7.0 cycles
110	7/23/01 02:25:28 PM	H-N Sag	104 Vrms	6.5 cycles
109	7/23/01 02:24:48 PM	H-N Sag	104 Vrms	3.5 cycles
108	7/23/01 02:24:08 PM	H-N Sag	104 Vrms	7.0 cycles
107	7/23/01 02:09:04 PM	H-N Sag	104 Vrms	7.5 cycles
106	7/23/01 02:08:24 PM	H-N Sag	103 Vrms	10.5 cycles
105	7/23/01 02:07:44 PM	H-N Sag	104 Vrms	10.5 cycles
104	7/23/01 02:07:04 PM	H-N Sag	104 Vrms	9.5 cycles

### DETAILED SITE REPORTS

Detailed site reports are displayed for every voltage disturbance event recorded from the PowerWatch including:

- Hot-to-Neutral and/or Neutral-to-Ground Surges
- Hot-to-Neutral and/or Neutral-to-Ground Sags
- Hot-to-Neutral and/or Neutral-to-Ground Impulses
- Outages
- Frequency Variations

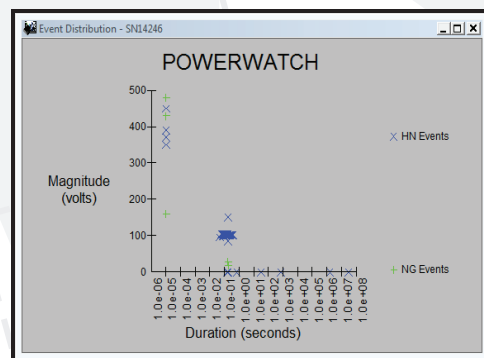
### STATISTICAL ANALYSIS

A large number of events can be quickly analyzed by using the Quick Summary option. Quick Summary totals all the surge, sag and impulse events and displays all of their occurrences individually in a bar graph format. This format helps determine power quality trends quickly and effectively.



### EVENT DISTRIBUTION GRAPH

The Event Distribution Graph plots the magnitude of events against duration on a logarithmic scale, allowing you to determine the importance of the data (a single random event may not be as important as a cluster of events). All 4,000 events can be plotted on this graph. Graph hot-to-neutral or neutral-to-ground events or show both in different colors. The CBEMA Curve can be used to determine the importance of each event.



### ORDERING INFORMATION

<b>Item:</b>	<b>Cat#:</b>
PW Software Only (Full Install)	34-0004
PWV-102 w/LIC-102 USB Interface	01-0231
PWV-101 w/LIC-101 Serial Interface	01-0060

**PowerWatch Software is compatible with Windows 2000 SP4, XP SP1, Vista 32 bit and with Windows 7 (32 bit & 64 bit Professional, Enterprise & Ultimate editions) via Windows Virtual PC and XP Mode.**