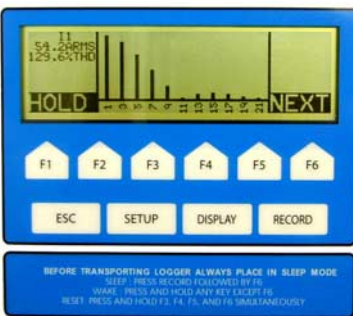![Solenvis - experts in energy metering]

Power Pro

THD ♦ HARMONICS ♦ FLICKER ♦ SAGS ♦ SWELLS

Features

- Easy to use interface - setup and record data without even looking at the manual!
- Records voltage, current, power, THD, Waveform snapshots and Flicker (IEC 868, IEC 61000-4-15 PST and PLT) at the time as capturing transient occurrences.
- Large graphical display - displays waveforms and harmonic bar charts in real time.
- Up to 128 samples/cycle on every ½ cycle.
- Data storage on removable 32M memory cards.
- Real time clock accurate to ±1 minute per year.
- Built in support for 3 phase flexible CT.
- Designed to IEC 1010 specifications.
- All new Windows software.
    - Easy to use with powerful display options.
    - Flexible zoom feature.
    - Remote setup of logger.
    - Real time display of logger measurements.

Specifications			Notes
Phase Voltages	V1, V2, V3	240V Range: 0-300VAC 600V Range: 0-700VAC	- Internal isolation PTs - External PT ratio user adjustable - Can be connected l-n or l-l
Neutral Voltage	VN	80V Range: 0-100VAC	- Internal isolation PT
Phase Currents	CT1, CT2, CT3	1V Range: 0-1.25VAC	- Non isolated voltage input for use with isolating CTs with voltage ouput
	Flex CT	2.5V Range: 0-3.12VAC	- Non isolated voltage input for use with 3 phase flexible CT (separate power supply not required)
Neutral Currents	CTN	1V Range: 0-1.25VAC	- Non isolated voltage input for use with isolating CTs with voltage ouput
Frequency	V1	>35V (240V Range) >90V (600V Range)	- Frequency range is 45 – 65 Hz for Power Flow firmware or 350 – 450 Hz for VIP400 firmware
Resolution	0.1V / 0.2V (240V/600V) 0.1A / 1A (<200A CT/ > 200A CT)		
Accuracy	±0.2% of Full Scale - Voltage ±0.2% of Full Scale - Current		Excluding clamp accuracy
Sampling	128 samples/cycle, all 8 channels, every ½ cycle		
Power Supply	- Internal battery (5 hours run time) - External AC/DC adaptor - V1 input (15VA load)		Internal battery is charged from external AC/DC adaptor or from V1 input (min 70V on V1)
Memory	32M removable memory cards		
Operating Temperature	-20 to 60°c		

Specifications subject to change without notice
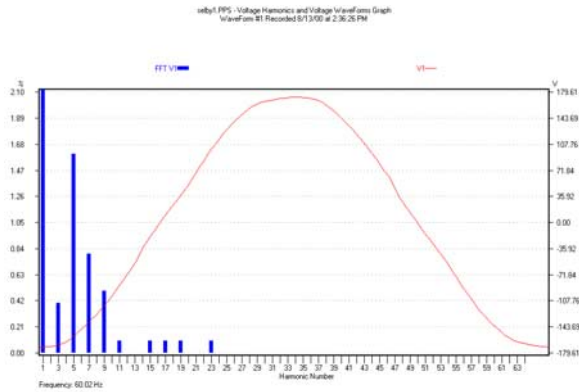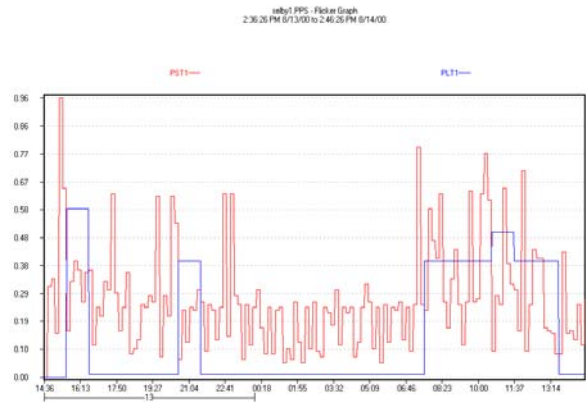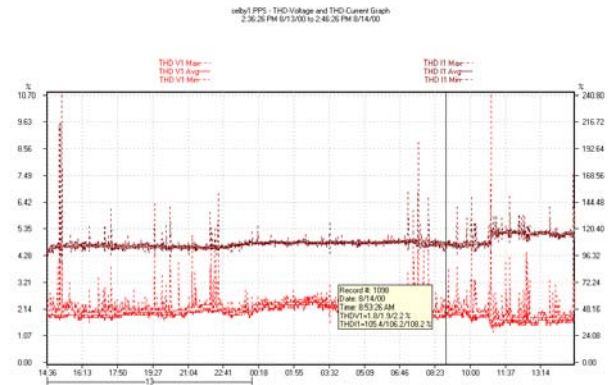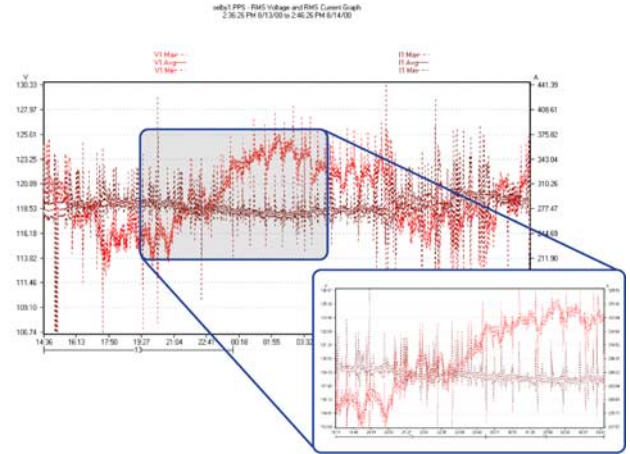
Power View

Data Analysis Software

When this software is used in conjunction with Power Pro, it can collect raw data from the logger, and display in various forms of statistical graphs according to the user's needs, or export data for use by Excel.

Features

- Plot all statistical graphs supported by the *Power Pro*, including RMS, THD, Waveforms, Power, Flicker, and much more.
- 2 graphs can be overlapped for direct comparison.
- Built in 'Speed Button' for quick access to pre-defined graphs.
- Generate complete report of 'Event Capture' function from the *Power Pro*.
- 'Data Box' that can pinpoint an exact co-ordinate and display all the related information at that point.
- Export data for custom post processing.

System Requirement:

- Pentium Processor, Windows 95/98
- 16MB RAM, 4MB Hard Disk space
- VGA Display, 16 bit High Color 800 x 600 pixels
- Mouse, Keyboard
- PCMCIA slot (*Optional*)

selby1.PPS - RMS Voltage and RMS Current Graph
2:36:26 PM 8/13/00 to 2:46:26 PM 8/14/00

selby1.PPS - Voltage Harmonics and Voltage Waveforms Graph
WaveForm #1 Recorded 8/13/00 at 2:36:26 PM

selby1.PPS - THD-Voltage and THD-Current Graph
2:36:26 PM 8/13/00 to 2:46:26 PM 8/14/00

selby1.PPS - Flicker Graph
2:36:26 PM 8/13/00 to 2:46:26 PM 8/14/00

Event Records
183 Events captured from 8/13/00 3:10:17 PM to 8/14/00 2:46:21 PM

Number	Start Time	Stop Time	Duration	Type	Magnitude	Limits
1	8/13/00 3:10:17 PM	8/13/00 3:10:17 PM	9.5 cycles	Voltage 1 sag	108.5V	114.0 / 126.0 V
2	8/13/00 3:10:35 PM	8/13/00 3:10:35 PM	9 cycles	Voltage 1 sag	108.6V	114.0 / 126.0 V
3	8/13/00 3:14:15 PM	8/13/00 3:14:15 PM	10 cycles	Voltage 1 sag	108.3V	114.0 / 126.0 V
4	8/13/00 3:14:27 PM	8/13/00 3:14:27 PM	10.5 cycles	Voltage 1 sag	108.0V	114.0 / 126.0 V
5	8/13/00 3:14:39 PM	8/13/00 3:14:39 PM	13 cycles	Voltage 1 sag	107.6V	114.0 / 126.0 V
6	8/13/00 3:16:55 PM	8/13/00 3:16:55 PM	7.5 cycles	Voltage 1 sag	109.2V	114.0 / 126.0 V
7	8/13/00 3:17:13 PM	8/13/00 3:17:13 PM	9.5 cycles	Voltage 1 sag	108.3V	114.0 / 126.0 V
8	8/13/00 4:32:31 PM	8/13/00 4:32:31 PM	7 cycles	Voltage 1 sag	111.5V	114.0 / 126.0 V
9	8/13/00 4:32:35 PM	8/13/00 4:32:35 PM	6.5 cycles	Voltage 1 sag	111.5V	114.0 / 126.0 V
10	8/13/00 4:32:42 PM	8/13/00 4:32:42 PM	6.5 cycles	Voltage 1 sag	111.5V	114.0 / 126.0 V
11	8/13/00 5:14:17 PM	8/13/00 5:14:17 PM	3.5 cycles	Voltage 1 sag	108.3V	114.0 / 126.0 V
12	8/13/00 5:15:22 PM	8/13/00 5:15:22 PM	5.5 cycles	Voltage 1 sag	112.7V	114.0 / 126.0 V
13	8/13/00 5:31:54 PM	8/13/00 5:31:55 PM	44.5 cycles	Voltage 1 sag	106.7V	114.0 / 126.0 V
14	8/13/00 5:31:57 PM	8/13/00 5:31:59 PM	94.5 cycles	Voltage 1 under	113.8V	114.0 / 126.0 V
15	8/13/00 5:32:02 PM	8/13/00 5:32:06 PM	238 cycles	Voltage 1 under	108.8V	114.0 / 126.0 V