

This Specification Data Sheet
brought to you by:



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PS4000 Power Quality Analyzer

“Total Performance, Smallest Size”

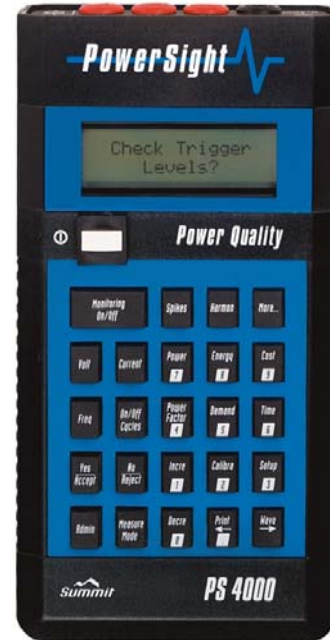
Order Number:

[PS4000]

The PS4000 provides complete answers to your power quality and power analysis questions in an incredibly small, powerful, and intuitive package.

Compare these features to any other instrument:

- **Complete harmonic analysis of every cycle** of all three voltages and all four currents, simultaneously, while doing all other functions
- **Swell, sag, and inrush detection of every half cycle** of all three voltages and all four currents, simultaneously, while doing all other functions
- **High Speed Transient detection and waveform capture** on all three voltage inputs and all four current inputs, simultaneously, while doing all other functions
- **Complete power/energy/cost analysis** of single phase, two phase, three phase, and 3½ phase circuits while simultaneously doing harmonic, swell, sag, and transient analysis on all inputs.
- **Compatible with VSD outputs.** 22-200 Hz, 360-440 Hz and DC power
- Internal rechargeable battery for hours of hand-held or power-fail operation
- **Complete logging, triggering, and waveform capture** capability



his outstanding package is the next jump forward from the PowerSight® PS3000. The PowerSight® PS4000 dramatically exceeds the capabilities of the PS3000 in the areas of swell, sag, inrush, high-speed transient, and harmonic analysis. In addition, it does the functions of the PS3000 with more accuracy and speed. **Its capabilities compare favorably with any instrument at any price.**

Consider these specifications:

All Measurements: **2,083 samples per cycle @ 60 Hz**

Transient detection: **8 µsec sampling rate** on all channels, simultaneously.

Harmonic analysis: analysis to the **63rd harmonic of every cycle** of all channels, simultaneously

Swell/sag detection: measurement of **RMS voltage and current of each half-cycle**

Accuracy: 0.1% of reading +/- 0.3 volts

0.1% of reading plus accuracy of current probe

Power Analysis: all relevant measurements of any power configuration (including DC)

Battery Operation: 8 hours, operates while charging off wall charger, gas gauge indicator

Availability

The PowerSight® PS4000 is available for immediate purchase from Summit Technology Inc. Just add current probes and the carrying case of your choice to have a complete system. To order, specify **PS4000**.

PowerSight® products are manufactured in the USA and sold by Summit Technology, Inc.

For more information on our products contact:

Summit Technology Inc.
2717 N. Main St., Suite 15
Walnut Creek, CA 94597-2747

Voice: 1-925-944-1212

Fax: 1-925-944-7126

Email: sales@SummitTechnology.com

PowerSight® is a trademark of Summit Technology. Prices and specifications are subject to change without notice



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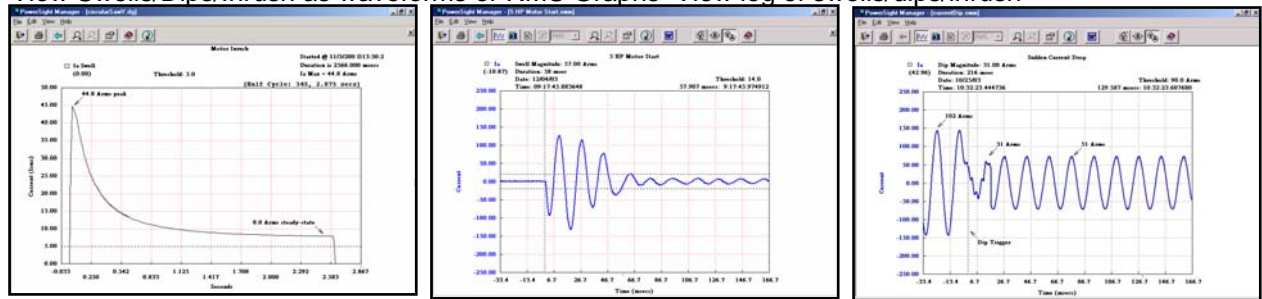
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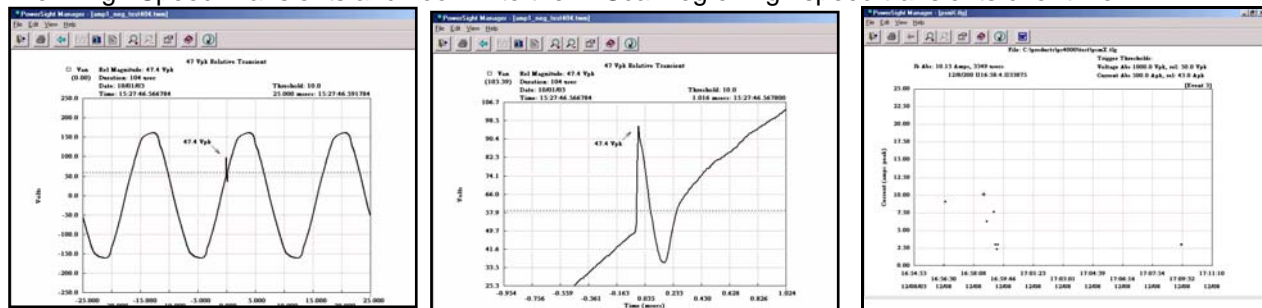
PowerSight Manager Software (PSM) is a flexible, powerful, and easy to use power analysis software tool that is included with all orders for the model PS4000. It performs complete presentation and analysis of power consumption and power quality matters. Combined with our Report Writer software, it provides concise and compelling summaries including comparisons of performance.

PS4000 Features in PSM

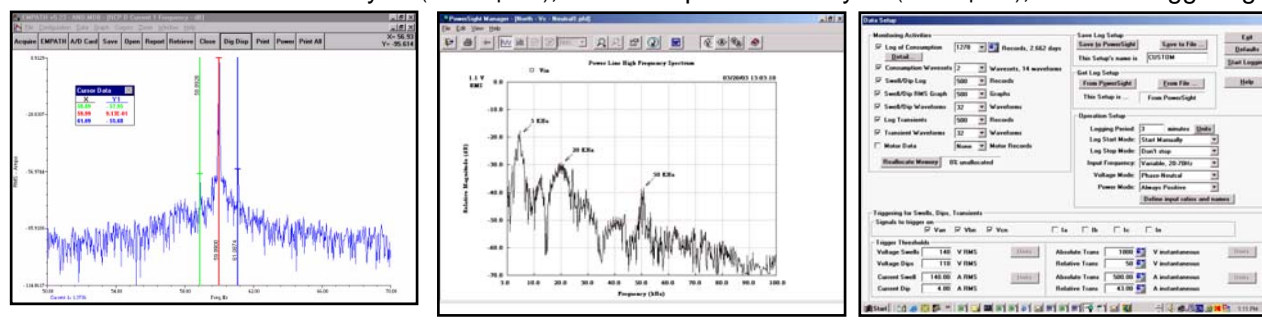
View Swells/Dips/Inrush as waveforms or RMS Graphs View log of swells/dips/inrush



View High Speed Transients and zoom into them Scan log of high speed transients over time

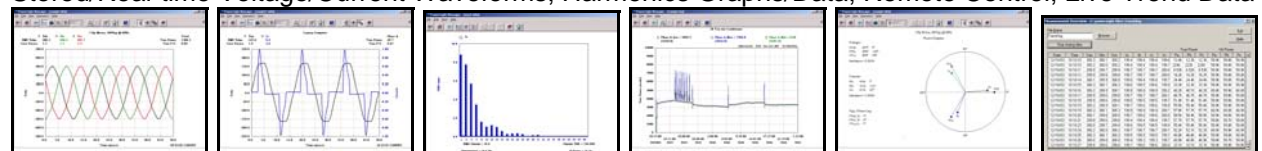


On-Line Motor Predictive Analysis (AMD Option); 100KHz Spectrum Analysis (FAO Option); Custom Triggering



Features of PSM common to all Models

Stored/Real-time Voltage/Current Waveforms; Harmonics Graphs/Data; Remote Control; Live Trend Data



Phasor Diagrams; Graph Consumption Logs; Summary and Comparison Reports; Custom Log Setups

For more information on our products contact:

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