

PS3500 Energy/Power Analyzer

Description

The PS3500 provides simplicity, reliability, and complete answers in the analysis of single & three phase electric power and energy analysis.

- Analyze how energy is used and what it costs.
- Evaluate quality of power.
- Troubleshooting equipment.

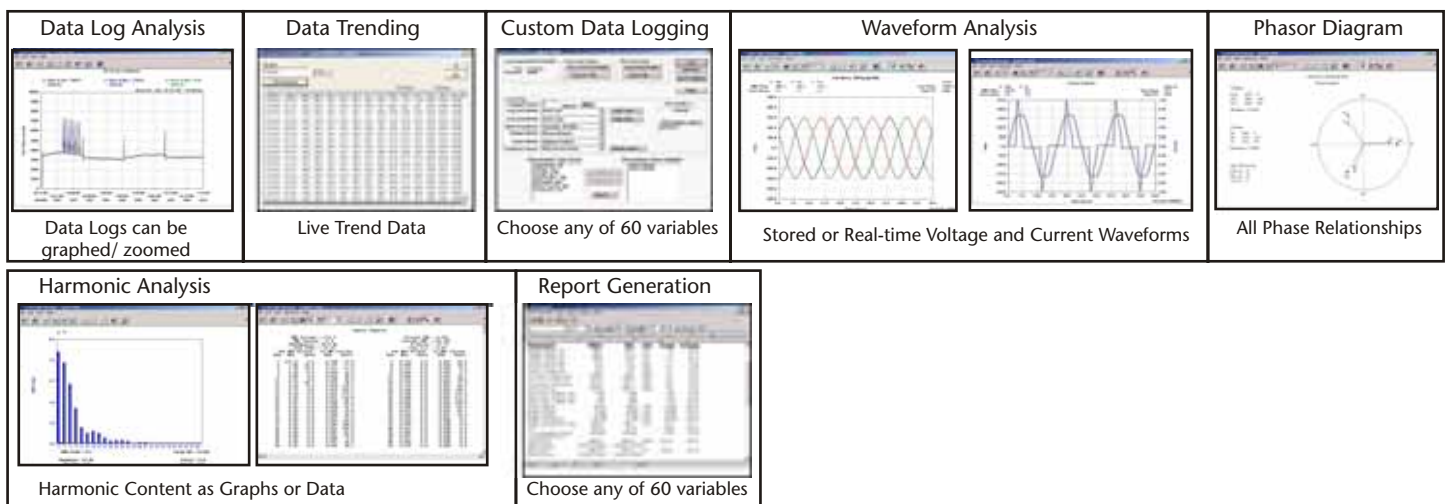
Features

- **Industry's Highest Safety Rating CAT IV**
- **Complete power/energy/cost analysis.** Measures voltage, current, KW, KVA, KVAR, true power factor, displacement power factor, KWH, elapsed and estimated cost and duty cycle. Complete logging and manual waveform capture ability.
- **Compatibility with any power system.** Single phase, two phase, three phase (wye, delta, 4 wire delta, open delta, grounded delta), 3PT/2PT, and 3PT/3CT. DC, 50Hz, 60Hz, 400Hz, 45-66Hz, and 360-440Hz. Phase-phase, phase-neutral, and regenerative systems. All systems up to 600Vphase-neutral (800V phase-phase)and with voltage probes, direct connection to 4,160V and 12,500V.
- **Harmonic Analysis.** Performs spot checks and logging of THD and analysis out to the 50th harmonic on all inputs.
- **Wireless Communications** with Bluetooth technology.
- **"Foolproof" Connections** with SureStart™ patent-pending technology.
- **Provision for Removable Memory** with SD.
- **Unmatched portability and ease of use.** Weighs less than 1 kg. SurePower™ technology takes the worry out of powering the meter and its accessories. SureSense™ technology insures current readings are correct, even when mixing current probes. Keypad and display for simple, quick, portable readings.



Bluetooth Enabled

Provided with power analysis software tool that performs complete presentation and analysis of power consumption and Report Writer software which provides concise summaries including comparisons of performance.



- Meter Displays Values
- RMS Volts & Amps
- DC Volts & Amps
- 50 Hz, 60 Hz, & 400 Hz
- Energy Demand & Power
- Harmonics & THD
- Sag & Swell Events
- Transients (Impulses)
- High Freq. Noise
- Motor Diagnostics

PS3500



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Specification

<p>Measurement Rate Analyzes two cycles per second of each voltage and current input at 16 μs; uses 130 samples per cycle @ 60 Hz. All measurements updated once per second</p>
<p>Voltage Measurement Range 1-600 Vrms steady-state(direct input); 1-600 Vdc or 600-5,000 Vrms with 5KVP probes, or 600-15,000 Vrms with 15 KVP probes. Display Range: 1-6MV (using input ratios) Meter Display Resolution: 0.1V Accuracy: 0.5% of reading \pm0.3 Vrms</p>
<p>Current Measurement Ranges With HA5: 0.02-5A With HA100: 0.1-100A With HA1000: 1-1000A With FX3000: 10-3000A With FX5000: 100-5000A With DC600: 5-600 A DC Display Range: 1mA-6MA(using input ratios) Meter Display Resolution:0.1A Accuracy:0.5% of reading plus accuracy of probe Phasor diagram: via PC Imbalance: via PC</p>
<p>Frequency Measurement: Range: DC, 45-66Hz, 360-440 Hz fundamental Display on Meter Accuracy:\pm0.5%</p>
<p>Harmonic Measurement 45-3000Hz(50th harmonic @ 50/60 Hz, 7th @ 400Hz);</p>
<p>THD Accuracy 1%;Displays THD and individual harmonics through 25th harmonic of all signals. PowerSight Manager Software displays harmonics through 50th harmonic for both units on a PC;</p>
<p>Power, Energy, Cost, Power Factor: VA,VAR, True Power Factor, Displacement Power Factor, Phase Lag Angle, Energy kWh, Energy cost in \$, Waveform snapshot. Display Range: 1 watt-60MW (using input ratios) Accuracy: 1% plus accuracy of current probe Transient Detection: one channel</p>
<p>Logging Period (resolution) User selectable from 1 second - 99 minutes</p>
<p>Logging Duration(length of monitoring session) User selectable up to 2 years according to memory allocation</p>
<p>Power Requirement: 12 VDC@500mA, wall-mount power supply included. Internal Ni-Cad battery operates 8-10 hours after full charge</p>
<p>Size:196x40x54mm</p>
<p>Weight: 0.5kg</p>

Probe Options

HA 5 & HA100	HA 1000	DC 600	FX 5000	Complete, pre-packaged systems
<p>HA5: 0.02A to 5A AC HA100: 0.1A to 100A AC Accuracy: 2%, Size: 5.25" x 2.1" x 1.35" for conductors up to 0.8" diameter</p>	<p>HA1000: 1A to 1000A AC Accuracy: 0.5%, Size 9" x 4.4" x 1.75" for conductors up to 2.13" diameter</p>	<p>DC600: 5A to 600A DC; 5A to 400A, DC/AC Accuracy \pm1A \pm2%, 5A to 400A; \pm1A \pm3%, 400 to 600A DC Size: 7.68" x 2.6" x 1.34" for conductors up to 1.18" diameter</p>	<p>FX5000: 100 amps to 5000 amps AC Both models: Accuracy 2%, Size 24" long for conductors up to 7.5" diameter</p>	<p>Systems are equipped with your choice of clamp-on or flexible current probes, voltage leads, plug-in charger unit, PC software and instruction manual. Other options available: 5 KV and 15 KV medium voltage probes.</p>

Item Code : ST-PS3500 **EAN :** 8904048100406

Product Supply Includes : PS3500 Unit, 3 Voltage Probes & Auto Report Generating Software.

Current Probe to be purchased as per user option (1 nos for single phase, 3 nos for 3 phase & 4 nos for 3 phase & neutral).