

Tektronix Launches New Precision Single-Phase Power Analyzer Series

New Tektronix PA1000 Power Analyzer Gives Power Engineers Best-in-Class Accuracy, Bandwidth and Most Complete Feature Set

BEAVERTON, Ore., Dec. 3, 2013 /PRNewswire/ -- Tektronix, Inc., a leading worldwide provider of test, measurement and monitoring instrumentation, today announced an expansion of its family of precision power analyzers with the introduction of the [PA1000 single-phase power analyzer](#). Featuring a patent pending Spiral Shunt™ design, the PA1000 provides engineers designing and testing power supplies, consumer electronics and other electrical products with accurate power measurements in the shortest possible time. Features such as a color graphical display, one-button application modes and intuitive menu system enable optimum instrument set up in seconds, and the powerful PWRVIEW PC software includes comprehensive reporting features such as a full compliance IEC62301 standby power certificate.

(Photo: <http://photos.prnewswire.com/prnh/20131203/SF20600>)

(Logo: <http://photos.prnewswire.com/prnh/20130103/SF36616LOGO-b>)

Engineers developing power supplies for single-phase electronics face new demands for greater energy efficiency and lower line pollution, along with a growing array of government regulations and commercial demands to reduce energy consumption. As new semiconductor technologies such as GaN (Gallium Nitride) and SiC (Silicon Carbide) emerge to meet these demands, new test and measurement tools such as the PA1000 are required to keep pace.

The new PA1000 single-phase power analyzer compliments the PA4000 series of precision three-phase power analyzers introduced earlier this year, as well as Tektronix oscilloscopes and probes for circuit analysis, giving engineers end-to-end solutions for optimizing and debugging power electronics designs.

"Power is one of the most dynamic segments in electronics today given the intense interest on the part of consumers, business and government to reduce overall energy consumption. Improving battery life is another key driver," said Curt Willener, general manager, Power Analyzer Product Line, Tektronix. "To help our customers meet these demands, Tektronix continues to step up with the precision instruments they need such as the PA1000 and PA4000 power analyzers with a compelling combination of industry leading performance, value and usability."

Accuracy and Value

The PA1000 offers the best overall performance in its class, with 0.05% basic accuracy and 1 MHz measurement bandwidth. Two internal current shunts are included on each PA1000 — one for current measurements up to 1 Amp, for precise low-current measurements, and another for current measurements up to 20 Amps. The 1 Amp shunt is particularly useful for maintaining measurements resolution and accuracy on demanding low-current signals common to standby power testing.

A full-color graphics display, unusual in this instrument class, makes setup and other tasks easy and intuitive, with one-button access to measurement results, power waveforms, harmonic bar graphs, and menus. Application-specific test modes for standby current, lamp ballast testing and energy integration help to simplify optimization of instrument settings, saving engineers time and reducing mistakes. PWRVIEW PC software further simplifies testing with one-click test automation for compliance-test applications.

The PA1000 offers industry leading value with standard features including LAN, USB and GPIB interfaces, harmonic analysis, and PC software that cost extra on many analyzers. A five-year warranty and Tektronix

worldwide support and service add to the value proposition.

PA4000 Accuracy Specifications, Warranty Upgrades

Based on recent field and metrology analysis, Tektronix has released improved accuracy specifications for the PA4000 power analyzer and extended the standard warranty to five years from the previous three years. The new accuracy specifications apply to RMS voltage, RMS current and Power. For instance RMS voltage accuracy was rated at $\pm 0.04\%$ and has now been improved to a rating of $\pm 0.01\%$. For the full details please visit the [PA4000 product page](#).

Pricing & Availability

The PA1000 will be available worldwide starting in December 2013. Prices start at \$2790 US MSRP.

Wondering what else Tektronix is up to? Check out the Tektronix [Bandwidth Banter blog](#) and stay up to date on the latest news from Tektronix on [Twitter](#) and [Facebook](#).

About Tektronix

For more than sixty-five years, engineers have turned to [Tektronix](#) for test, measurement and monitoring solutions to solve design challenges, improve productivity and dramatically reduce time to market. Tektronix is a leading supplier of [test equipment](#) for engineers focused on electronic design, manufacturing, and advanced technology development. Headquartered in Beaverton, Oregon, Tektronix serves customers worldwide and offers award-winning [service](#) and [support](#). Stay on the leading edge at www.tektronix.com.

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