

## PRESS RELEASE

### ***FOR IMMEDIATE RELEASE***

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Contact: [info@us.yokogawa.com](mailto:info@us.yokogawa.com)

Contact Phone: 1-800-888-6400

### **Yokogawa Corporation of America's PX8000 Precision Power Scope Named One of the 2014 Hot 100 Products by UBM Canon's EDN**

Sugar Land, TX – Yokogawa Corporation of America announced that EDN has named Yokogawa's PX8000 Precision Power Scope as one of the "100 Hot Products of 2014." The 2014 EDN Hot 100 highlights the electronics industry's most significant products of the year based on innovation, significance, usefulness, and popularity.

The PX8000 brings oscilloscope-style, time-based measurement to the world of power measurement. It can capture voltage and current waveforms precisely, opening up applications and solutions for a huge variety of emerging power measurement problems.

The new instrument has 12-bit resolution with 100 MS/s sampling and 20MHz bandwidth. This means that the PX8000 can be used for accurate measurement of inverter pulse shapes, which can then be used to fine-tune inverter efficiency. A choice of input modules covers voltage, current and sensor measurements at voltages up to 1000 V RMS and currents up to 5 A RMS, with a basic accuracy of  $\pm 0.1\%$ . Higher currents can be measured with external current sensors. The PX8000 can be configured to evaluate single phase and three-phase electrical systems.

The PX8000 provides true power measurements with ISO 17025 or NIST Traceable calibration data, and incorporates a number of innovative features that support the crucial measurement and analysis of transient power profiles. It provides simultaneous voltage and current multiplication to give real-time power sampling, supporting both transient measurement (as standard) and numerical values averaged across the sample period. Up to 16 different waveforms – including voltage, current and power – can be displayed side-by-side, giving engineers instant “snapshots” of performance.

Powered by Yokogawa’s isoPRO™ technology, the PX8000 offers industry-leading isolation performance at the highest speeds. The isoPRO™ core technology, designed with energy-saving applications in mind, delivers the performance needed to evaluate high-efficiency products that operate at high voltages, large currents and high frequency.

Typical application sectors for the PX8000 include inverter and motor testing, reactor loss, measurement of inverter boost circuits, transient responses of industrial robots, wireless charger efficiency measurement, and voltage and power measurements in electrical distribution systems.

For further information about the PX8000 visit [tmi.yokogawa.com](http://tmi.yokogawa.com).

Bill Gatheridge, Product Manager for Yokogawa’s Power Measuring Instruments, says the development of the PX8000 is part of the Yokogawa commitment to provide electrical power measurement solutions for the design, development and testing of electrical products. The PX8000 goes beyond what any other power measuring instrument can offer, as it addresses many of the requests that current users have asked for many years. It has also been developed to reach new applications which were not around a few years ago and also to anticipate new challenges in years to come.

“Of the many thousands of products announced during the past year, the EDN Hot 100 are the products that especially caught the attention of our editors and readers. We are pleased to share the tradition of showcasing these technologies as we celebrate the 21st anniversary of this program,” said Rich Pell, Executive and Chief Technical Editor, EDN.

The complete list of EDN’s Hot 100 products can be found online at:

[http://www.edn.com/electronics-products/other/4437460/EDN-Hot-100-products-of-2014/?\\_mc=pr\\_edn\\_bcs\\_hot100temp](http://www.edn.com/electronics-products/other/4437460/EDN-Hot-100-products-of-2014/?_mc=pr_edn_bcs_hot100temp)

### **About EDN**

EDN is an online community intended to help engineers get from concept to reality. EDN offers deep-dive technical content along with a community experience where the latest in design techniques, technologies, and methodologies meld with the simplest and most useful online interaction tools. EDN celebrates all that is the engineer – from deep down technical views, to informed opinions, to knowledge and schematics sharing, to creative design and all aspects of life as an engineer. From day one, EDN has been written by engineers, for engineers, feeding design know-how and experience back to the engineering community as a trusted source. EDN is part of UBM Canon, the leading B-to-B event producer, publisher, and digital media company for the world's \$3 trillion advanced, technology-based manufacturing industry. For more information on EDN, please contact: Carly Cohen, Marketing Coordinator, EDN Telephone: 212-600-3294, Email: [carly.cohen@ubm.com](mailto:carly.cohen@ubm.com)

### **About Yokogawa Test & Measurement**

Yokogawa Test & Measurement Division is a major worldwide force in the test & measurement market, with products that include oscilloscopes, power meters and optical communications test equipment, portable test instruments, recorders and data-acquisition systems. For more information about Yokogawa Test & Measurement, please visit our website [tmi.yokogawa.com](http://tmi.yokogawa.com).

### **About Yokogawa Corporation of America**

Yokogawa Corporation of America (<http://yokogawa.com/us>) is a leading provider of Industrial Automation and Test and Measurement solutions. Combining superior technology with engineering, system integration, project management, and maintenance services, Yokogawa delivers field-proven operational efficiency, safety, and reliability. Yokogawa Corporation of America is headquartered in Sugar Land, TX, and is the North American Division of Yokogawa Electric Corporation's global network of 25 manufacturing facilities and 4 regional project engineering centers.

### **About Yokogawa**

Yokogawa's global network of 86 companies spans 56 countries. Founded in 1915, the US\$4 billion company conducts cutting-edge research and innovation. Yokogawa is a leader in

industrial automation and control (IA) and test and measurement solutions. The IA segment plays a vital role in a wide range of industries including oil, chemicals, natural gas, power, iron and steel, pulp and paper, pharmaceuticals, and food. For more information about Yokogawa, please visit the website [www.yokogawa.com](http://www.yokogawa.com).