

## PRESS RELEASE

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### **New WT3000 Power Analyzer Available with Ethernet and USB Functions**

***This new instrument provides a basic Power measurement accuracy of 0.02% of reading with a bandwidth of DC to 1 MHz, and sets the standard by which power is measured.***

Newnan, Georgia –Yokogawa Corporation of America, a world leader in test and measurement instruments, is introducing two new features, Ethernet and USB, for it's latest precision Power Analyzer, the Model WT3000. This new Power Analyzer provides extremely high measurement accuracy for demanding applications such as product efficiency testing, engineering and R&D work on Inverters, Motor Drives, Lighting systems and Electronic Ballasts, UPS Systems, Transformer testing and other power conversion products.

The Ethernet and USB functions provide enhanced communication capability with Personal Computers, Network systems, and various peripheral devices. The Ethernet function conforms to 100BASE-TX and 10BASE-T, and provides for data exchange via communications with PC's or on networks. The feature supports file transfers via FTP server, as well as FTP client (Network drives), LPR client (Network printers), and e-mail (SMTP client) functions.

Two USB ports for peripherals, with Type A connector, are provided on the front of the instrument. Measurement data can be stored in either binary or ASCII format on a peripheral device such as a USB Memory Stick. A Keyboard can also be connected to one of these peripheral ports and be used to easily input user-defined math expressions. A third USB port with a Type B connector is provided on the rear of the instrument for control and communication functions with a PC.

Benefits of the Ethernet and USB communications functions are an easy to use high-speed interface for transferring data from the power analyzer to a computer for storage and further analysis. Yokogawa has released an upgraded version of its WTViewer software with support for the WT3000. This software allows users to setup and control the instrument as well as load numerical and waveform data measured by the power analyzer onto a PC via GPIB, serial (RS232-C), Ethernet or USB. Up to four WT3000 instruments can be networked together using the Ethernet interface as well as GPIB and USB links.

The WT3000 Series Power Analyzers provide "Best in Class" precision and stability with a basic Power accuracy of 0.02% of reading, and a bandwidth of DC, 0.1Hz to 1 MHz. The low Power Factor error (0.03% of apparent power) is especially beneficial in making precision power-loss measurements in applications such as Core Loss and Transformer testing. High-performance Digital Signal Processors, DSP's, along with a special Digital Filtering technique are used in the input measuring circuits to achieve high accuracy measurements and high speed response. The data update rate can be set from as fast as 50 ms, 20 readings per second, to as slow as one reading every 20 seconds. In the design of the WT3000 series, care was taken to minimize the effect of common mode noise, power line noise, and pulse noise, thus ensuring the highly accurate and stable measurements on Pulse Width Modulated, PWM, power conversion circuits. The instrument has a Common Mode Voltage rating of 1000 Volts.

As the world's leading manufacturer of precision wide band digital power analyzers, Yokogawa offers a complete line consisting of over 20 different model combinations to meet the specific application and budget requirements of the customer. A full NIST traceable calibration lab along with service & repair facilities, application and sales support is provided through its Newnan, Georgia headquarters. In addition to the digital power analyzer line, Yokogawa is a leading supplier of other test & measurement instruments including digital oscilloscopes, data acquisition systems and communication test equipment.

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

Yokogawa Corporation of America is the North American unit of \$4 billion Yokogawa Electric Corporation, a global leader in the manufacture and supply of instrumentation, process control, and automation solutions. Headquartered in Newnan, Georgia, Yokogawa Corporation of America serves a diverse customer base with market-leading products including analyzers, flowmeters, transmitters, controllers, recorders, data acquisition products, meters, instruments, distributed control systems, and more.

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