Sugar Land, TX – January 24, 2017

Release #: 1215

Yokogawa Launches Higher-performance Successor to AQ6315A Wideband Optical Spectrum Analyzer

– The new AQ6374 offers faster measurements and purging feature for general-purpose optical testing over 350 – 1750 nm range –

Yokogawa Corporation of America announces the release of the new AQ6374 at the Photonics West Exhibition 2017 in San Francisco, CA. The successor to the Yokogawa and ANDO-branded market-leading AQ6315A wideband optical spectrum analyzer, the new AQ6374 offers faster measurements and a purging feature for general-purpose optical testing over 350-1750 nm range. Featuring diffraction grating based monochromator technology delivering high-precision measurement performance and accuracy, an enhanced user interface and an air purging feature, the new instrument offers engineers a powerful benchtop tool for general-purpose optical spectrum measurements over the wavelength range from 350 to 1750 nm.

“The capability of measuring over such a broad wavelength range made the original AQ6315A a very valuable test instrument for those R&D centers who carry out research on light spectra from the visible region to the L-band region,” according to Yokogawa. “The new AQ6374 achieves superior operability and measurement times up to 40 times faster than its predecessor, and also offers a number of new features including the air purging system.”

By inheriting and enhancing the control technologies originally developed for the AQ6370 series, the AQ6374 model achieves superior operability and measurement speeds up to 40 times that achieved by the AQ6315A. The ability to sample 100001 points of data (100 times as much as the AQ6315A) enables measurement over a broad wavelength range with high resolution, while data-transfer rates during remote control via Ethernet are up to 100 times faster than for the AQ6315A.

The measurement performance achieved by the monochromator technology includes a wavelength resolution setting from 0.05 to 10 nm, a wavelength accuracy of ±0.05 nm (at 633 and 1523 nm) or ±0.2 nm (from 350 to 1700 nm), a level accuracy of ±1.0 dB, level sensitivity of -80 dBm (from 900 to 1600 nm), a measurable power range from -80 to +20 dBm, a close-in dynamic range of 60 dB (peak ±1.0 nm, resolution 0.05 nm), and a sweep time of less than 0.5 sec.

Internal data storage of 512 Mbyte is included, and external data storage is supported via a USB interface. Ethernet RJ-45 and GP-IB interfaces are also incorporated. A built-in calibration source is provided for a full-automatic optical alignment and wavelength calibration, which takes just a few minutes.

The new purging feature is designed to minimize the influence of water-vapor absorption on spectral measurements by continuously supplying a pure purge gas such as nitrogen (or just some dry air) to the monochromator through dedicated connectors on the back panel.

The AQ6374 features an ergonomically designed graphical user interface for maximum user friendliness, incorporating elements such as a full text menu, aggregation of measurement conditions, display of a “hard key” menu that is the same as the panel layout, and a trace setting menu.

Thanks to its capability of measuring over a broad wavelength range, the AQ6374 is the ideal Optical Spectrum Analyzer for those R&D teams who are testing light sources, optical filters and sensors operating in the visible range as well as in the telecom range of the spectrum.

Please see the new AQ6374 at Yokogawa’s booth 2719 at the Photonics West Exhibition in San Francisco from Jan. 31 to Feb. 2 2017, or visit:
http://tmi.yokogawa.com/products/optical-measuring-instruments/optical-spectrum-analyzer/aq6374-wide-range-optical-spectrum-analyzer-350-1750-nm/

About Yokogawa Test & Measurement

Yokogawa has been developing measurement solutions for over 100 years, consistently finding new ways to give R&D teams the tools they need to gain the best insights from their measurement strategies. The company has pioneered accurate power measurement throughout its history. In 2002 it became a leading supplier of optical Test & Measurement instruments following the acquisition of Ando Electric. Today, with more than 30 years of experience in optical testing, Yokogawa offers a broad range of optical instruments and is the market leader for Optical Spectrum Analyzers in research and test laboratory environments.

Yokogawa instruments are renowned for maintaining high levels of precision and for continuing to deliver value for far longer than the typical shelf-life of such equipment. Yokogawa believes that precise and effective measurement lies at the heart of successful innovation – and has focused its own R&D on providing the tools that researchers and engineers need to address challenges great and small.

Yokogawa takes pride in its reputation for quality, both in the products it delivers – often adding new features in response to specific client requests – and the level of service and advice provided to clients, helping to devise measurement strategies for even the most challenging environments.

Meet the Precision Makers at 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 92 companies spans 59 countries. Founded in 1915, the US$3.7 billion company engages in cutting-edge research and innovation. Yokogawa is active in the industrial automation and control (IA), test and measurement, and aviation and other businesses segments. 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 http://www.yokogawa.com