Tektronix' Newest Optical Oscilloscope Modules Boost Designers Flexibility When Tackling Emerging Standards And Multiple Data Rates

First to Support Full Range Of 10 Gigabit Ethernet FEC Rate Measurements, User Definable Continuous Clock Recovery

BEAVERTON, Ore., March 17, 2003 – Tektronix, Inc. (NYSE: TEK), a leading provider of test and measurement solutions for telecom and datacomm equipment makers, today announced a series of new optical sampling oscilloscope modules targeting 10 Gigabit Ethernet (10GbE) applications for its proven communications signal analyzer platform.

The market for components and network elements used in metro area LANs (local area networks) and industrial campuses is expanding as network operators look for affordable ways to add capacity in high-demand areas. Component and equipment manufacturers are working with numerous industry standards, wavelengths, and fiber types to optimize their designs for specific transmission spans. They are also exploring emerging standards such as 10GbE Forward Error Correction (FEC) and using cost reduction technologies such as directly-modulated lasers to design a new generation of 10GbE LAN products. Aggressive project deadlines and cost constraints preclude using separate tools for this wide range of optical measurements. The new 80C08C and 80C11 Optical Sampling Modules for Tektronix' CSA8000 Series communications signal analyzers are the first instruments flexible enough to meet the full range of 10GbE measurement needs—all LAN and WAN (wide area network) standards (including emerging 10GbE FEC), all fiber types, masks, wavelengths, and clock rates.

"Component and network element manufacturers turn to Tektronix for tools that reduce the time and cost of test, while enabling them to develop and deliver cutting-edge technologies faster than ever before in an extremely competitive marketplace," said John Taggart, General

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Manager, Electro-Optical Products, Tektronix. "The new 80C08C and 80C11 modules add increased flexibility to the CSA8000 Series. They give designers one tool to solve a range of 10 GbE optical measurement problems and the confidence that they are meeting the latest industry standards."

Modules' Flexibility Matches The Needs Of Fast-Growing Applications

The 80C08C optical module delivers unsurpassed measurement performance in the areas of signal-to-noise, optical sensitivity, and test throughput. It is well matched to the manufacturing test needs of emerging 10GbE components and network elements. With its amplified optical-to-electrical (O/E) converter, the 80C08C allows users to examine low-power optical signals from the directly-modulated lasers used in 10GbE LAN technologies. The module's exceptional accuracy supports narrow measurement margins in production testing, maximizing yield. The 80C08C is a broad-wavelength (700 to 1650 nm), multi-rate (9.953 Gb/s to 11.0957 Gb/s), single- and multi-mode tool that is suitable for 10 Gb/s datacomm applications as well as telecom.

The 80C11 is a long-wavelength (1100 to 1650 nm) product with an optical bandwidth up to 30 GHz. It is well suited for 10 Gb/s G.709 telecom optical component testing and characterization, particularly those designs based on externally-modulated lasers.

Both modules embody important industry "firsts." Anticipating designer's needs for flexibility and rate support, they are the first and only tools to support emerging 10 GbE FEC measurements with the requisite filters, masks, etc. Secondly, they are the only products of their kind to offer user definable continuous rate clock recovery from 9.8 Gb/s to 12.6 Gb/s, in addition to standard datacomm and telecom rates.

About Tektronix

Tektronix, Inc. is a test, measurement, and monitoring company providing measurement solutions to the communications, computer, and semiconductor industries worldwide. With more than 55 years of experience, Tektronix enables its customers to design, build, deploy, and manage next-generation global communications networks and advanced technologies. Headquartered in Beaverton, Oregon, Tektronix has operations in more than 20 countries worldwide. Tektronix' Web address is www.tektronix.com.

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