

Tektronix Showcases New and Enhanced Optical Test Solutions at ECOC 2014

Tektronix to Feature Products and Solutions from Across Its Test & Measurement Portfolio, Including the Industry-leading AWG70000 Series Arbitrary Waveform Generator

BRACKNELL, UK – 21 July, 2014 – Tektronix, the world's leading manufacturer of oscilloscopes, announced today that the company will be showcasing a wide-range of optical test and measurement products at ECOC 2014 (**Stand 495, Ground Floor**), which takes place from 21.-25.09.2014 in Cannes, France. The Tektronix products on display will address a wide range of applications, from 40Gb/s stressed pattern generation for high speed datacom and telecom test, as well as multi-channel pattern generation and multi-channel BERT testing to coherent lightwave signal analysis and testing of the world's most complex components; visitors to the Tektronix stand will be able to get hands-on demonstrations and technical advice to help them solve their individual test and measurement challenges. On hand will be the new AWG70000 Series Arbitrary Waveform Generator that offers the industry's best combination of high sample rate, long waveform memory and deep dynamic range.

“Tektronix has launched a number of exciting new technology measurement solutions, that help our customers deal with new challenges in High Speed Serial, Optical, Photonic and Communication System Designs,” said Dean Miles, Technical Marketing Manager at Tektronix. “We are looking forward to showing off these new solutions at the show. In addition visitors to the Tektronix booth will be able to participate in a prize draw to win an iPhone 5s.”

Highlights on the Tektronix stand this year will include:

- The [AWG70000](#) Series offers bandwidth on demand by generating wide bandwidth signals at baseband, IF and RF frequencies up to 20GHz, with greater than -80 dBc dynamic range. With up to 16 G Samples of waveform memory, it can generate unique signals that are long enough to simulate real world environments or make complex optical modulations such as PAM 4, making it the most flexible wideband signal generation product available today.
- The [OM4000](#) optical modulation analyzer series that offers automated test support for 400G multi-carrier coherent optical modulation. This software option will greatly reduce test times for researchers working on 400G and faster coherent optical systems while providing the flexibility to define carrier count, carrier spacing and modulation formats. It also provides compiled carrier measurement results and multi-carrier visualization for integrated analysis. The new software is available to Tektronix customers as Option MCS on the OM4106D Coherent Lightwave Signal Analyzer and OM1106 Coherent Lightwave Signal Analyzer Software. The OM4106D is tightly integrated with [Tektronix DPO70000X](#) Series 33 GHz oscilloscopes and uses coherent detection to acquire fiber signals carrying up to 240 Gb/sec per wavelength.
- A new series of high-speed [pattern generators](#) and [bit error detectors](#) to support optical and serial data communications testing on signals as fast as 40 Gb/s. The new 40Gb/s [PPG4001 pattern generator](#) and [PED4000 Series error detectors](#) feature very high signal quality and jitter stress capabilities ideal for SERDES, component, and optical module testing. The PPG3000 Series pattern generators and PED3000 Series error detectors feature multi-channel pattern generation and error detection with channel-specific data programming, jitter insertion, and BER analysis ideal for critical margin testing on standards like 100G Ethernet, which require up to 4 channels.

Advanced Optical Solutions

At ECOC, Tektronix will be demonstrating its extensive range of PHY layer test solutions: eye diagrams and jitter performance, stressed receiver testing, crosstalk & BER tests and optical modulation analysis. Tektronix provides expertise and equipment to perform standards-compliant TX, RS and Coherent Optical testing from 125 MB/sec to 100 GB/sec and beyond.

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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