

New Clock Recovery Instrument from Tektronix for High Speed Electrical Serial Data Testing

*Tektronix 80A07 Based Upon BERTScope CR Technology Provided by SyntheSys Research
Advances Serial Data Characterization and Compliance Testing*

BEAVERTON, OR, January 29, 2007 – Tektronix, Inc. (NYSE: TEK), a leading worldwide provider of test, measurement and monitoring instrumentation, announced that the company has entered into an OEM agreement with **SyntheSys Research** to offer an advanced clock recovery instrument. Marketed as the Tektronix 80A07 BERTScope CR, this instrument provides highly flexible clock recovery capabilities for stressed or degraded signals, and is designed to make compliance testing of today's high-speed serial data designs easy and accurate. When used with a Tektronix DSA8200 sampling oscilloscope system, the 80A07 will assist engineers by making serial data characterization and compliance testing simple, repeatable, and precise.

Many serial standards, such as SATA, PCI Express, Ethernet (802.3ap, 802.3aq, XAUI, etc), Fibre Channel, HDMI, Infiniband and others now specify that testing must be done using a recovered clock with well-defined loop bandwidth and roll-off shape characteristics. Some standards, such as PCI Express and SATA, utilize spread-spectrum clocking, which puts further stress on the clock recovery instrument for transmitter characterization and compliance testing. The 80A07 provides instrumentation grade performance, with best in market timebase stability, unequalled phase loop lock (PLL) bandwidth and roll-off shape control, and the lowest intrinsic jitter, for recovering clocks from stressed or degraded signals. The instrument will cover data rates continuously from 100 Mb/s to 12.5 Gb/s, meeting the market requirements for all existing and emerging serial data standards.

“With the addition of the 80A07 BERTScope clock recovery instrument to the DSA8200 sampling system, Tektronix now provides best-in-class capabilities for characterization and compliance testing of high-speed electrical serial data signals,” said Brian Reich, General Manager, Electrical Optical Product Line, Tektronix. “Acquiring and analyzing stressed or degraded electrical signals can be very challenging. The DSA8200 sampling system now provides best-in-class horizontal and vertical fidelity, the highest performance and most flexible clock recovery. Additionally, DSA8200 customers have access to industry leading jitter, noise, and BER analysis software to aid development of electrical and electro-optical components.”

“SyntheSys Research is pleased to be working with Tektronix, a recognized leader in advanced tools for serial data analysis, to provide global reach for our clock recovery product,” said Dr. Lutz Henckels, Chief Executive Officer, SyntheSys Research. “Early on, we recognized the powerful synergy that our BERTScope™ CR technology would have with the Tektronix DSA8200 product line in the fast-growing market of second and third generation serial data standards.”

The Tektronix 80A07 provides best-in-class slew rate and jitter tolerance and provides support for spread spectrum clocks that meets worst-case needs of serial data standards such as SATA and PCI-E. It is the only instrument in its class which provides the user independent control of loop bandwidth and peaking, allowing precise emulation of “golden PLL” specifications dictated in serial data test standards. The instrument's low 250 fs intrinsic jitter enables best-in-class measurement system fidelity, and the continuous rate coverage between 100 Mb/s and 12.5 Gb/s together with excellent PLL shape control ensure support for all current and emerging standards.

Price and Availability

The Tektronix 80A07 BERTScope CR clock recovery instrument that supports data rates up to 12.5 Gb/s is available for order and shipment. U.S. MSRP for the 80A07 is \$40,500.

About the DSA8200

The DSA8200 Digital Serial Analyzer is based upon new generation sampling platform that provides the most significant advance in TDR test capabilities in 20 years. The DSA8200 is the ideal instrument for serial data characterization, compliance and signal integrity testing on complex, high speed serial data signals and their interconnects. DSA8200 provides the most advanced capabilities in the industry for jitter and noise analysis of active components for computer, communications and consumer electronics industries, and enables easy and efficient S-parameter measurement for interconnect links such as cables and backplanes.

About SyntheSys Research, Inc.

Founded in 1989, SyntheSys Research is a developer and manufacturer of high speed signal integrity test and measurement solutions for the computer, storage, and communications industries. The company's BERTScope analyzers and clock recovery instruments provide innovative high speed signal integrity test and measurement solutions. BERTScope™ instruments offer the vision of a scope, the confidence of a BERT, and clock recovery you can count on. More information is available at www.bertscope.com.

About Tektronix

Tektronix is a leading supplier of test, measurement, and monitoring products, solutions and services for the communications, computer, and semiconductor industries - as well as military/aerospace, consumer electronics, education and a broad range of other industries worldwide. With 60 years of experience, Tektronix enables its customers to design, build, deploy, and manage next-generation global communications networks, advanced and pervasive technologies. Headquartered in Beaverton, Oregon, Tektronix has operations in 19 countries worldwide. Tektronix' Web address is www.tektronix.com.

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