Tektronix Expands Integrated Instrument Portfolio with MDO4000C Mixed Domain Oscilloscope

New Series Combines Up to 6 Instruments in 1 Unit; Provides Synchronized Views of Analog, Digital Waveforms and Spectrum Traces

BEAVERTON, Ore., Dec. 8, 2015 – Tektronix, Inc., the world's leading manufacturer of oscilloscopes, today introduced the [MDO4000C Series of Mixed Domain Oscilloscopes](#) that can be configured with up to six instruments in a single unit including a full spectrum analyzer. Starting with the highest-performance oscilloscope of any 6-in-1 instrument from Tektronix, engineers can upgrade their MDO4000C instruments over time to meet their most demanding challenges and add functionality as needs change or budgets allow.

As with previous generations in the MDO4000 series, the MDO4000C provides a synchronized view of analog and digital waveforms along with RF spectrum traces, making it the ideal debug tool for Internet of Things (IoT) and many other embedded engineering applications. Like the 6-in-1 MDO3000 introduced last year, the MDO4000C expands on its core oscilloscope functionality with options to add a spectrum analyzer, arbitrary/function generator, logic analyzer and protocol analyzer. A digital voltmeter (DVM) is available for free with product registration.

"Integrated instruments have proven highly popular with our customers because they can cover more debugging and analysis tasks with a single instrument, allowing them to keep engineering programs on track and get to market faster," said Chris Witt, general manager, Mainstream Oscilloscopes, Tektronix. "The increased performance of the MDO4000C – what we call 6-in-1 plus – makes it the optimal tool for solving tough design problems."

As an oscilloscope, the MDO4000C features long record length, fast sample rate and fast waveform capture rate to help uncover elusive problems. Performance enhancements compared to the MDO3000 integrated oscilloscope include:

- More scope performance – 20 Mpoint record length, up to 5 GS on all channels, >340,000 waveforms/s capture rate and a 50% larger display
- Up to 6 GHz spectrum analyzer with better spectrum analyzer performance, the ability to synchronize views across time and frequency domains, and the ability to perform vector signal analysis
- Logic analyzer timing resolution down to 60.6 ps and independent logic thresholds per channel enabling capture of multiple logic families at once

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- Protocol analysis for up to three buses simultaneously with triggering up to 500Mb/s

Compared to standalone instruments, the MDO4000C saves time lost from having to look for and configure instruments and delivers outstanding value without compromising on performance. It also enhances usability through integration. For instance, the built-in arbitrary waveform generator makes it easy to capture signals on the scope, modify them, and then replay them through the generator, enabling margin testing by making it easy for users to add noise to any signal.

While saving bench space and improving usability is part of the MDO4000C's DNA, it is also easy to acquire and own. The MDO4000C can be configured as a base oscilloscope with a competitive entry price of just $7,300. A 3- or 6-GHz spectrum analyzer, arbitrary/function generator, 16 logic channels, or protocol support can be added at the time of purchase, or added later as an upgrade, allowing it to precisely conform to every lab's needs and budget. Oscilloscope bandwidth extends from 200 MHz to 1 GHz and can also be upgraded at any time.

Pricing & Availability

The MDO4000C will be available through authorized Tektronix distributors beginning December 8, 2015. Prices start at $7,300 US MSRP. DVM functionality is free with product registration. For more information, go to: www.tektronix.com/mdo4000.

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
Headquartered in Beaverton, Oregon, Tektronix delivers innovative, precise and easy-to-operate test, measurement and monitoring solutions that solve problems, unlock insights and drive discovery. Tektronix has been at the forefront of the digital age for over 65 years. Join us on the journey of innovation at www.tektronix.com.

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