

Tektronix Brings Productivity Boosting In-depth Analysis Solutions to Embedded Systems, Aerospace & Automotive Engineering

New Power Analysis and Serial Trigger/Decode Solutions Take Advantage of 5 Series MSO Touch Interface, 12-bit Resolution

BEAVERTON, Ore., Nov. 14, 2017 /PRNewswire/ -- Tektronix, Inc., a leading worldwide provider of measurement solutions, today released new options for the [5 Series MSO](#) mixed signal oscilloscope including a power analysis solution, Automotive Ethernet testing solution, and serial trigger and decode solutions for the aerospace and automotive markets. These new solutions take full advantage of key 5 Series MSO innovations including up to 8 input channels, 12-bit resolution and its massive high-definition capacitive touch display and highly intuitive Direct Access user interface.

Redefining the midrange oscilloscope

The new capabilities expand the applications supported by the 5 Series MSO that is redefining the midrange oscilloscope with a host of innovations including the industry's first FlexChannel™ technology that allows 4, 6 or 8 analog channels and up to 64 digital channels, integrated protocol analysis and signal generator, a new 12-bit signal acquisition system, 15.6-in. capacitive touch display, and a highly intuitive user interface ¾ delivering unprecedented flexibility and unmatched visibility into complex embedded systems.

The first in a series of enhancements designed specifically for the 5 Series MSO, these latest offerings improve the user experience in specific use cases and deliver fast, repeatable measurements that save time and boost engineering productivity. The solutions enable users to quickly set up measurements and analyze results using the 5 Series MSO's tap, drag, pinch and swipe touch interface that is earning rave reviews from users for its intuitive operation.

Along with the new solutions, Tektronix also today announced the 5 Series MSO Low Profile for advanced research and manufacturing applications. [See separate announcement here.](#)

"Power conversion, automotive and aerospace are market segments that greatly benefit from the high channel count and large display of the 5 Series MSO, allowing engineers to display a richer view of complex systems, solve problems faster and keep projects on schedule," said Brian Ice, general manager, Mainstream Oscilloscopes at Tektronix. "Measurement automation is becoming more and more important as dedicated engineering specialists become a thing of the past. With our power analysis solutions, for example, embedded designers can easily take accurate, repeatable measurements like a power specialist."

The new options solutions for the 5 Series MSO include the following:

Power analysis – The new 5-PWR power measurement and analysis solution enables designers to take full advantage of the 5 Series MSO's high channel count and 12-bit resolution to easily perform a range of automated power measurements and analysis including power quality, harmonics, switching loss, safe operating area (SOA) and a variety of additional measurements. Designers working with the latest GaN and SiC power semiconductors will be able to combine the 5 Series MSO, 5-PWR measurement solution, and optically-isolated IsoVu probes to enable multi-channel, automated measurements of critical drive signals and switching voltages.

Aerospace – The 5-SRAERO option offers serial trigger and decode solutions for the most common serial buses used in the aerospace industry including MIL-STD-1553 and ARINC 429.

Automotive – The upgraded 5-SRAUTO package offers complete serial triggering and analysis of the major buses used in the automotive industry while the new 5-CMAUTOEN Automotive Ethernet solution provides automated compliance support for the IEEE P802.3bw™ (100BASE-T1) and BroadR-Reach V3.2 specifications. [See separate announcement for more detail.](#)

Pricing and availability

In addition to the new optional solutions, Tektronix is making FastFrame Segmented Memory mode and roll mode that enables easier viewing of slow-moving signal phenomena standard features. Firmware with these features will be available for download from <https://www.tek.com/product-support> for existing 5 Series MSO customers. The optional solutions offerings are available now and start at \$1,850 US MSRP.

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 70 years. Join us on the journey of innovation at TEK.COM.

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