

Tektronix Donates MDO4000 Mixed Domain Oscilloscope to University of Washington

Donation will Support UW Sensor Systems Laboratory Research to Invent New Technology for Robotics, Wireless Power and Medical Devices

BEAVERTON, Ore., June 6, 2012 - Tektronix, Inc., the world's leading manufacturer of oscilloscopes, today announced that it has donated an MDO4000 Series Mixed Domain Oscilloscope to the University of Washington in Seattle, Wash. The world's first and only oscilloscope to include a spectrum analyzer, the MDO4000 will be used by the Sensor Systems Laboratory to support a variety of research projects such as deep sea underwater wireless power transfer.

"The research efforts at the UW Sensor Systems Laboratory showcase the breakthrough capabilities of the MDO4000," said Dr. Kevin Ilcisin, Chief Technology Officer, Tektronix. "Designs that involve complex interactions between analog sensors, embedded electronics, and wireless control signals are much easier to debug and validate when all signals can be correlated across the time and frequency domains. We are pleased to support the advanced research taking place at UW, one of the world-class institutions we have been donating equipment to for many years."

The MDO4104-6 donated to the university features a 1 GHz analog bandwidth with a 5 GS/s sample rate. It has 4 analog input channels, 16 digital channels and 1 RF channel with a 50 kHz-6 GHz frequency range.

"For some of our more ambitious projects that use RF signals for sensing and power transfer, the MDO4000 will prove invaluable and help us move forward at a much faster pace," said Joshua R. Smith, Associate Professor, Computer Science and Engineering, Electrical Engineering at UW. "We are extremely grateful to Tektronix for this generous donation and look forward to making the MDO4000 a centerpiece of our wireless test bench."

Introduced on August 30, 2011, the MDO4000 Series is tailored to meet the needs of the more than 60 percent of oscilloscope users who also use a spectrum analyzer to troubleshoot embedded designs with wireless functionality. As the first oscilloscope ever to integrate the functionality of a spectrum analyzer, the MDO4000 provides a powerful toolset which can save days or even weeks of debug time.

With the MDO4000, engineers can replace both a scope and spectrum analyzer with a single instrument. This enables them to continue using their tool of choice, the oscilloscope, to look at the frequency domain rather than having to find and relearn a spectrum analyzer. For debugging, it goes well beyond typical spectrum analyzer functionality by allowing users to capture time-correlated analog, digital and RF signals. With separate instruments, it is virtually impossible to accurately correlate signals across domains. This enables a new realm of testing, simplifying common debug tasks for today's integrated wireless-enabled designs. For instance, now engineers can easily measure how long it takes their RF power amplifier to turn-on after a command is sent on the device's serial bus.

The University of Washington has an enrollment of more than 92,000 students at three campuses. To learn more about its commitment to education, research and community, go to: www.washington.edu.

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