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Agilent Technologies Adds High-Impedance Mezzanine Functionality to its PXI Digitizers

SANTA CLARA, Calif., Jan. 20, 2009 -- Agilent Technologies Inc. (NYSE: A) today announced the expansion of its Acqiris high-speed digitizer product line with extended functionality on its [PXI digitizers](#). Both the [U1061A](#) and [U1062A](#), 8-bit and 10-bit digitizers, now feature an optional high impedance mezzanine, making these devices ideal for combination with a signal probe in ATE applications, such as telecommunications and semiconductor component testing.

The [U1062A](#) is the world's first 10-bit, 4 GS/s, 3U PXI digitizer, with input bandwidths of up to 2 GHz and acquisition memories of up to 256 MS/ch. It significantly reduces testing and data-acquisition time, making the digitizer ideal for high-speed ATE applications, where test time should be limited only by the speed limits of the device under test (DUT). The dual-channel 8-bit [U1061A](#), with up to 1 GHz of instantaneous bandwidth, provides synchronous sampling on both input channels of 1 GS/s with up to 8 MS of acquisition memory. In single-channel applications both digitizers provide the possibility of channel interleaving: Either channel can be selected and the ADC's interleaved, providing 2 GS/s and 16 MS memory ([U1061A](#)) and 4 GS/s and 512 MS ([U1062A](#)).

The new high-impedance front-end, which enables high-voltage measurements on both products, uses programmable front-end electronics to provide a complete set of input voltage ranges from 50 mV to 5 V full scale into 50 Ohms, and up to 50 V full scale into 1 MOhm impedance. With a bandwidth into 50 Ohms of 1 GHz for the [U1061A](#) and 1.4 GHz with the [U1062A](#), using 1 MOhm

impedance results in a bandwidth of 300 MHz. The amplifier response is optimized, with switchable filtering and very fast recovery from out-of-range signals.

The digitizers are fully compliant with both the PXI and CompactPCI standards, and are supported with AcqirisLive and AcqirisMAQS software and Windows®, Linux, and VxWorks drivers for easy integration into production test and automatic test equipment (ATE).

Related Products and Applications

Products

- o [High-speed digitizer product family](#)
- o [N6030A Arbitrary Waveform Generator, 15-Bit, 1.25 GS/s](#)

Test and measurement applications

- o [ATE production and functional tests for semiconductor devices, laser printer heads, hard disk drives, telecommunication infrastructure, automotive components and medical systems](#)

U.S. Pricing and Availability

Pricing for the U1061A and U1062A PXI High-Speed Digitizers starts at \$7,400. Delivery is six weeks after receipt of order.

More information about the Agilent U1061A and U1062A PXI High-Speed Digitizers is available at www.agilent.com/find/high-speed-digitizers.

High-resolution photos are available at www.agilent.com/find/u1061a_u1062a_pxi_digitizers_images.

About Agilent Technologies

Agilent Technologies Inc. (NYSE: A) is the world's premier measurement company and a technology leader in communications, electronics, life sciences and chemical analysis. The company's 20,000 employees serve customers in more than 110 countries. Agilent had net revenues of \$5.8 billion in fiscal 2008. Information about Agilent is available on the Web at www.agilent.com.

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