



ZTEC Instruments

The Leader in Modular Oscilloscopes

Press Release

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Multi-Channel Waveform Generators Deliver High Channel Density

May 12, 2009 – ZTEC Instruments announces their new series of waveform generators, the ZT5210. Available in PCI, PXI, VXI, & LXI, these multi-channel waveform generators feature a sampling rate of 200 MS/s, a bandwidth of 50 MHz, and 14-bit resolution.

The arbitrary waveform functionality of these instruments is extremely flexible. Up to 32M samples per channel can be output using an 8M sample waveform library. Users can mix and match up to 8 sequences from the waveform library, each with 4096 segments/sequence.

In addition to its arbitrary waveform generator features, the ZT5210 series offers a robust function generator library. Built-in functions include sine, square, triangle, ramp, pulse, sinc pulse, Gaussian pulse, Lorentz pulse, AM, FM, DC, haversine, havercosine, half cycle sine, noise, multi-tone, & serial data.

The ZT5210 series provides high channel density for all platforms with 2 independent outputs on PCI & PXI, and 2 or 4 outputs on VXI & LXI. Each output channel is completely independent of the other channels, making these instruments ideal for applications requiring independent control of each output. Additionally, the dual memory on each channel allows waveforms to be played from one memory bank while a second waveform is loaded into the other memory bank on the same channel. In binary modulation mode, the output toggles between the waveforms in each memory bank based on an external input or trigger.

For high voltage applications, the 5210 series generates signals up to 14 V_{pp} into 50 Ohm loads or 28V_{pp} into high impedance loads.

Every instrument in the ZT5210 series includes ZWave[®] Waveform Generator Software. ZWave[®] looks & works exactly like a benchtop waveform or function generator. It provides quick access to all settings, a waveform viewer, as well as configuration save & recall. Drivers for C/C++, IMI, LabVIEW, & COM are also complimentary with the instrument. IDE project examples and support for LabWindows/CVI, Visual Studio, and LabVIEW are also available. All of ZTEC's drivers & software works with Windows and Linux.

For more information about the ZT5210 series, please visit <http://www.ztecinstruments.com/function-generator/waveform-generator-zt5210>.

About ZTEC Instruments

ZTEC Instruments is a pioneering modular instrument company whose product focus is oscilloscopes. Our products provide common traditional instrument capabilities in modular instrument form factors, including PCI, CompactPCI/PXI, VXI, & LXI. For more information about ZTEC Instruments and how our products can address your test and measurement needs, please visit www.ztecinstruments.com.

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