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New Multi-Feature Vibration Analyzer Provides Multi-Analysis Capabilities

Hardware/Software Combination offers Significant Value over Comparable FFT Analyzers

CLEVELAND, November 20, 2001 — IOtech introduces a new full-featured vibration analyzer, the portable ZonicBook™. Available in 4-, 8-, or 16-channel configurations, the compact ZonicBook accepts ICP® accelerometer and microphone inputs directly, and simultaneously samples all channels at 51.2 kHz with a separate Sigma Delta converter for each input channel. In addition to ICP® inputs, the ZonicBook is capable of measuring standard AC and DC voltages.

Analysis capabilities include FFT analysis, integration/differentiation, averaging, octave analysis, and much more with the Windows-based eZ-Analyst™ software. The combination of the ZonicBook, eZ-Analyst software and a notebook computer provide a full featured, portable sound and vibration analyzer. This system can acquire continuous, gap-free data into the PC's memory and hard drive while viewing the data in time- or frequency-domain on the PC.

Unique to the ZonicBook is its ability to measure vehicle network parameters, concurrent with sound and vibration measurements. Using the optional IOtech DBK70™ vehicle bus interface, the system can simultaneously acquire vehicle network parameters such as speed, RPM, engine temperature, etc., while making sound and vibration measurements directly from transducers in the vehicle. Supported vehicle networks include J1850 VPW, J1850 PWM, ISO-9141, and CAN.

The ZonicBook can be operated from 12V DC battery powered for in-vehicle and portable sound and vibration applications, as well as AC powered for lab applications. An optional battery/UPS option is available for over 6 hours of operation.

The ZonicBook/eZ-Analyst combination offers significant value over comparable FFT analyzers. This is accomplished by using the power of the user's PC to provide all of the real-time analysis capabilities, versus having a separate CPU in the ZonicBook, as do other comparable devices. Prices for the ZonicBook with eZ-Analyst software range from \$9,990 for a 4-channel unit to \$19,990 for 16-channels. Availability is from stock.

About IOtech

IOtech produces data acquisition hardware and software for use in PC-based test & measurement and industrial automation systems. Its products are used in research and manufacturing facilities and are sold throughout the world. IOtech, Inc. is located at 25971 Cannon Road, Cleveland, Ohio, 44146; telephone: (440) 439-4091; fax: (440) 439-4093; E-mail: sales@iotech.com; www.iotech.com.

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