



Contact: Suzanne Toomey
Public/Media Relations Coordinator
Phone: (440) 703-2304
Fax: (440) 439-4093

Release Type: New Product
Release Date: Immediate
Web: www.iotech.com
E-mail: sToomey@iotech.com

Vibration and Acoustic Analysis Software *Now available for use with WaveBook™ series systems*

CLEVELAND, OH, April 22, 2002—IOtech has announced the introduction of eZ-Analyst™ software for its portable, multifunction WaveBook series of data acquisition products. The availability of this software enables WaveBook users to record, playback, analyze and archive vibration or acoustic data in both time and frequency domain. Compared to other multi-channel vibration analyzers, the WaveBook/eZ-Analyst combination offers higher channel capacity, more signal conditioning choices, and a lower cost per channel.

eZ-Analyst utilizes a Windows®-style graphical user interface which makes hardware configuration easy with simple fill-in-the-blank configuration screens. Selectable hardware parameters include channel selection, frequency and voltage range, auto ranging, filtering, and triggering. Configurations can be saved and recalled for future use. Scheduled Recordings can be set up so the system can be configured to begin an acquisition at a specified time and/or day and then continue until the desired elapsed time has occurred.

The real-time display capability makes it easy to verify all sensors are attached properly and operational prior to testing. Individual channels can be viewed in either time-domain oscilloscope mode, in frequency-domain mode, or in a scrolling strip-chart mode. This is useful for making sure critical limits are not exceeded when the test is performed.

Waveforms can be analyzed in real-time while they are being acquired or after being stored in the PC's hard drive. Up to 16 waveforms can be overlaid on one window and up to 8 windows can be displayed at one time. Playback mode allows acquired waveforms to be viewed as if they are occurring in real-time. Analysis frequencies are DC to 100kHz with expansion up to 64 channels.

Analysis Features

- **Analysis Frequency**
 - 10 Hz to 20 kHz for 4- or 8-channel ZonicBooks
 - 10 Hz to 10 KHz for 16-channel ZonicBook
- **Analysis Blocksize**
 - 128 to 16,384 data samples per block of data (in powers of 2)
- **FFT Windows**
 - Response Channels: None, Hanning, Flat Top, Exponential, 3 Term Blackman Harris
 - Force Channels: None, Rectangular, Cosine Taper
- **Integration/Differentiation (in frequency domain)**
 - Single and Double Differentiation
 - Single and Double Integration
- **Averaging**
 - Linear, Exponential, Negative, Peak Hold, Time Synchronous
- **Acquisition Triggers**
 - Free Run
 - User-Programmed Trigger: Level and Slope, Time and Date, Pre or Post data trigger delay
- **Octave Filter**
 - A, B, and C Weighting
- **Display Types**
 - Time, Trend, Auto Spectrum, Cross Spectrum, Spectrum, FRF, PSD, Transfer Function, 1/3 Octave, Full Octave, Coherence
- **Transfer Function Types**
 - Inertance, Mobility, Compliance, Apparent Mass, Impedance, Dynamic Stiffness
- **Octave Types**
 - 1/3, Full

Pricing & Availability

With e-Z-Analyst it's simple to create custom reports. The zooming capability allows detailed plotting of areas of interest and the copy/paste feature allows for graphs and annotations to be easily imported to Microsoft Excel® or Word® documents. Pricing is \$3,990 and is available 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.

###

WaveBook series products are trademarks of IOtech, Inc.