



# VIBEHOUND™ KIT

## USB VIBRATION DATALOGGER STARTER KIT

The VibeHound™ datalogger simplifies vibration measurements for test engineers. The vibration datalogger combines everything required to take NIST traceable vibration measurements into a single sensor package and can be operated from a Windows PC. Internal to the unit is a precision piezoelectric sensor, temperature sensor, signal conditioning, microcontroller, data memory, NIST traceable calibration, and a plug-and-play USB interface.

The product can be run with an included Windows XP software application or LabView virtual instrument. Either application allows operators to collect and display time waveform and spectral vibration data at the click of a button. Tools are available for processing and exporting waveforms to third party software packages.



### The Kit Includes:

The VibeHound™ Datalogger  
USB Cable Assembly, 15' Straight or 6' Coiled  
Stand Alone Windows XP Software Application and LabView VI

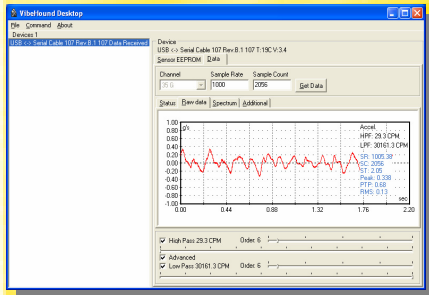
### Features Include:

USB 1.1 and 2.0 Connectivity  
Windows XP Plug and Play  
Digitized Time Waveform and FFT  
Easily Expandable  
Hermetic Rugged Design

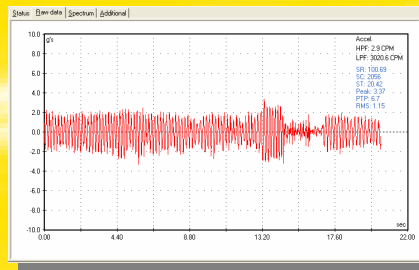
### Applications Include:

- Engine Testing
- Automotive Suspension Testing
- Bridge Vibration Testing
- Shock and Vibration Testing
- Machinery Monitoring
- Crash Testing
- Electrodynamic Shaker Testing

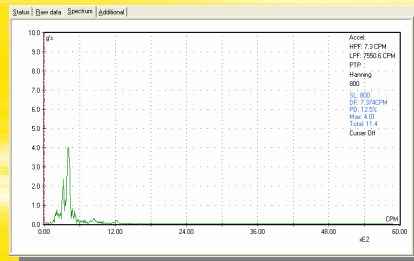
# Windows XP Configuration and Analysis Software



Configuration Interface



Time Waveform Display



FFT Spectrum Display



Save Data to File Archive



Export to Third Party Interfaces

The Windows XP application easily operates one or several VibeHound™ data collectors using the built in Windows plug-and-play driver. Data collection parameters such as Sampling Rate and Sample Count can be easily configured in the application. Calibrated vibration records are taken at the click of a button and are available in engineering units. Records are displayed in both time waveform and FFT. After reviewing the vibration data, users can save the data as an archival text file or export it to a variety of third party applications including Excel and MATLAB. The VibeHound™ makes vibration measurements as easy as a point and click of the mouse.

## Expansion

### Adding Accelerometers:

A single PC can handle 8 accelerometers, through the use of USB expansion ports or hubs.

### Third Party Interfaces:

Tools have been provided to allow users to easily export data into Excel and MATLAB.

## VibeHound™ Datalogger



- 25 G's Full Scale Vibration Measurement
- -40°C to +85°C Temperature Measurement
- 0.4 Hz to 12,000 Hz Response
- Z-Axis Sensitivity
- 125 Hz to 65 kHz Sampling Rate
- USB 1.1 and USB 2.0 Connectivity
- 1/4-28 Mounting Thread
- -40°C to +85°C Operation

**Ordering Information:** Use the contact information below and ask for the VibeHound™ Kit.

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