The WaveCatcher

Overview

The WaveCatcher site survey tool delivers comprehensive environmental data in a compact, user-friendly package. The WaveCatcher utilizes configurable software features and robust hardware options to acquire complex and comprehensive environmental data (vibration, acoustic, and EMI noise) within seconds.

Defining a WaveCatcher package is easy: simply let a Herzan representative know the type of environmental noise needing to be measured, across what frequency range(s), and they will help recommend the best solution to meet the measurement requirements.

Popular Applications

- Instrument Pre-Installation Site Surveys
- Diagnosing New Sources of Noise
- Transmissibility Testing
- Establishing Instrument Specifications for Allowable Environmental Noise
- Product Development R&D

Common Users

- Field Service Engineers
- Development Planners
- OEM R&D Engineers
- Researchers Interested in Characterizing their Environment

WaveCatcher Site Survey Tool

Hardware

The WaveCatcher is compatible with a variety of vibration, acoustic, and EMI sensors, which can be easily customized to meet the requirements of any application. Provided below are standard hardware options for the WaveCatcher:

WaveCatcher Hardware
- Compact, highly portable carrying case
- Analog-to-digital converter
- WaveCatcher software with netbook computer

Sensors
- Single or triple axis vibration sensor
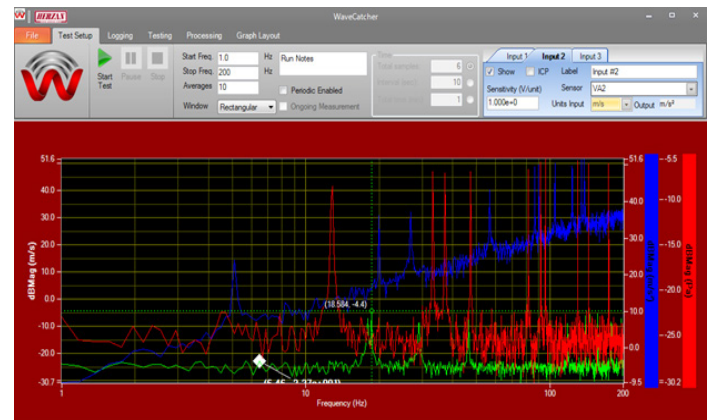- Broadband acoustic microphone
- Triple axis EMI sensor

WaveCatcher Site Survey Tool - Open

Software

The WaveCatcher software has recently been upgraded to Version 3.0, which is the most significant evolution of the platform to date. Incorporating a modern software design capable of expanding its feature set over time, Version 3.0 builds upon the ease of use of previous generations, while delivering a more reliable and responsive user experience. Provided below are prominent features included with the WaveCatcher software.

- **Quick Measurements:** Quickly measure acoustic, vibration and EMI noise with the push of a button.
- **High Repeatability:** Pre-loaded and user-defined protocols ensure measurements can be performed with consistent and reliable measurement parameters.
- **Multiple Measurement Modes:** The WaveCatcher software comes with multiple measurement modes to support a diverse set of measurement needs (e.g. FFT, periodic, and continuous).
- **Dynamic Data Post Processing:** Dynamic post-processing for immediate analysis and review of measurement data and sample modes.
- **Multi-Sensor Measurements:** Multiple sensor measurements for complex and customized data collection, popular for transmissibility testing.
- **And More!**

WaveCatcher Software - Version 3.0