

iPad Vibration Analysis with VibePro8



VibePro is a vibration analyzer application that collects and analyzes vibration signals to the iPad. The application can be used either for single readings or doing full vibration analysis routes. Route data can be post-processed directly in VibePro or in a myriad of apps available for other platforms including: Windows, Mac or through a web application that includes advanced algorithmic features.

New in VibePro8

- TWF collection and on-screen analysis
- FFT in Acceleration and integrated FFT in Velocity and Displacement
 - available on iPad and VibePro Online
- TWF and Spectrum in same view
- High-frequency impact demodulation
 - available on iPad and VibePro Online
- Selection of sample rate (Fmax) and number of samples (lines of resolution)
- Additional windowing options
- Circular TWF plots for gearbox analysis
- Waterfall plot for selected measurements
- Vibration trending in acceleration/Velocity for RMS, Peak & Crest Factor Values
- Editing Functions in Route
 - Allows: deleting, duplication, and renaming route data
- Machine Point Library
- Fresh New User Interface
- Change Sensors Quickly with Calibration Presets
- TWF Capture and Analysis

Features:

- Real Time Spectrum Analysis
- Single measurement reports with easy email sharing
- Recorded readings for post processing
- Route measurement trending built into VibePro
- Import and export routes via GTI Cloud, Dropbox or email
- Automatic and manual markers on the spectrum
- Set RPM and bearing markers with multiples
- 2-channels simultaneous sampling rate of 44,000 samples per sec
- Full FFT Signature graph from 0 to 20kHz or 0 to 1.2 million CPM
- Frequency Resolution
 - 1.33Hz with 16,384 Lines of Resolution @ Fmax of 20,000 Hz
 - 0.33Hz with 16,384 Lines of Resolution @ Fmax of 5,000 Hz
 - 0.1682Hz with 131,072 Lines of Resolution @ Fmax of 20,000 Hz (6 seconds, TWF Capture)



Single-Measurements



Full Spectrum



Email and Printer Friendly

Route Measurements



Create, Edit & Manage Routes

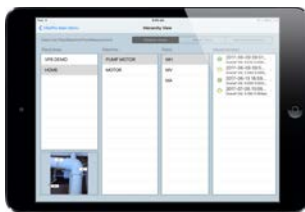


Custom Options for Measurement

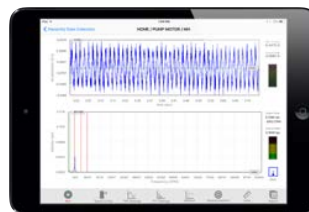


Capture Route Vibration Data

VibePro 8 iPad Vibration Analysis



View Plant Status



Review Past Readings

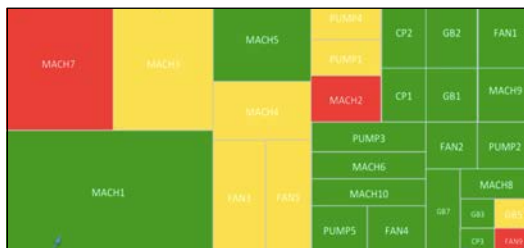


View Trending Data



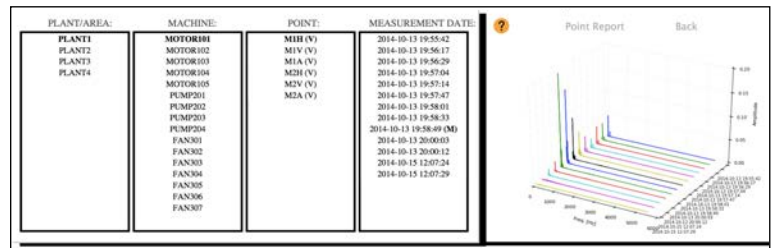
View & Create Maintenance

VibePro Online: Post Processing



GTI HeatMap: a custom vibration degradation algorithm developed by GTI brings a new visualization tool to the health of a plant's assets.

The larger the box the faster that asset is degrading. GTI HeatMap for the first time provides an accurate look at a plant's health. Green assets that are rapidly failing will show up well before an emergency repair is needed. GTI HeatMap can also be a helpful tool to ensure thresholds are being properly setup.



Full Hierarchy View with Waterfall, Trend Charts, and Spectrum Analysis with Reporting: View the same route hierarchy that is used with VibePro for iPad. Full reporting is available for any reading captured with VibePro. Trend charts or waterfall view to see data trends. TWF analysis is also available.

Coming soon: VibePulse a custom vibration signature recognition algorithm developed by GTI brings a new **fault detection** technology not offered elsewhere. The fault detection algorithm will provide a good starting point for your technicians to fix the asset and return it back to normal vibration levels.