

# iPad Vibration Analysis With VibePro 7

***Precisely Monitor Your Spindles in Realtime to  
Avoid Costly Failures & Downtime***





## 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.

### Features:

#### Real Time Spectrum Analysis

- Single measurement reports with easy email sharing
- Recorded readings for post processing
- Routes have never been easier with VibePro 7.
- Route measurement trending built into VibePro
- Free web app available for remote data trending.
- Import and export routes via GTI Cloud, Dropbox or email
- Automatic and manual markers on the spectrum
- Settable RPM and bearing makers 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)

### New in Version 7

- High Resolution Mode
  - For single measurement mode only
  - 0.33 Hz: provides ability to see spectrum peaks between 20CPM and 80CPM
- 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



## SINGLE-MEASUREMENTS



Full Spectrum

Email and Printer  
Friendly Reports

## ROUTE MEASUREMENTS



Create, Edit and  
Manage Routes

Custom Options  
for Measuring Points

Quickly Capture  
Route Vibration Data

## POST-PROCESSING, TRENDING AND MAINTENANCE RECORDS



View Plant Status

Review Past Readings

View Trending Data

View and Create  
Maintenance Events

## VIBEPRO ONLINE: POST PROCESSING



### VIBEPRO HEATMAP:

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

The larger the box the faster that asset is degrading. VIBEPRO 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. VIBEPRO 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.

### VIBEPULSE:

A custom vibration signature recognition algorithm developed by VIBEPRO 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.



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