

Motionics iPad Vibration Analyzer collects and analyzes vibration signals to the iPad. It allows the user to take readings and leverage the powerful platform of the iPad.

The internet connection ability of this system provides the user with an easy access to the data network for inventory data, machine specs, and reading history. Such feature opens a world of undiscovered possibilities including: live video conferencing, Real Time off site expert analysis, and much more.

This system is available in both wired and wireless version.

Features:

- Time domain vibration signal waveform display
- Wide range FFT spectrum
- Custom markers on the spectrum for bearing frequencies, RPM, high peak and harmonics
- Test report including RMS, peak values, machine images, severity plots, user notes
- Email and air-print of PDF reports
- Online database synchronization via Dropbox
- Synchronization with VibeTrend App to remotely monitor overall vibration of machines from iPhone/iPad

Included in the Package:

- iPad Air 2 16 GB LTE model (upgrade options available)
- Wired or wireless accelerometer with magnet base
- Custom iPad case with integrated DAQ box (Wired) or wireless data receiver (Wireless)
- VibePro app for iPad



Wired System



Wireless System

Key Specifications:

- Sensitivity: 100 mV/g
- Measurement Range: ± 20 g
- Frequency Range (± 3 dB): 96 – 600,000 cpm
- Resonance Frequency: 1500 kcpm
- Broadband Resolution: 1.5 mg
- Number of Inputs: 2 channels
- Sampling Rate: 44k samples/sec
- Analog to Digital Conversion: 24 bits
- Operating Temperature: 0 – 50 °C
- Power Supply: directly from iPad (Wired)
3V CR123 battery (Wireless)
- Magnet Base Pull Force: 85 lbf
- Wireless Spectrum: 2.4 GHz
- Wireless Data Range: Line of sight up to 100 m

