

iPad Vibration Analyzer



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 32 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)
- VibraTestPro App
- iVibraMeter App



Wired System



Wireless System

iPad VibrationBalancer	Specification
Sensitivity	100 mV/g
Measurement Range	±20 g
Frequency Range	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

