

iPad Vibration & Rotor Balancing Kit



Motionics iPad Rotor Balancing Kit turns an iPad into a rotor balancer and vibration analyzer. It is a pure iPad-based kit consisting of iPad (optional), a 2-channel DAQ box, industrial accelerometer and a laser tachometer. The kit comes with several Apps for vibration analysis, overall vibration testing, and rotor balancing.

The iPad iRotorBalancer app allows single-plane, 2-plane, 4-runs, and overhung balancing to meet different rotor balancing requirements. With just simple tapping and typing, anyone can be an expert in rotor balancing using this package. The iPhone/iPad VibraTestPro App makes the kit a full vibration analyzer with time domain and frequency domain analysis. The kit also comes with the iVibraMeter App for iPad which can be used for a quick overall vibration tests of multiple common machines such as pumps, motors, spindles, etc. with rapid PDF report generation capability.

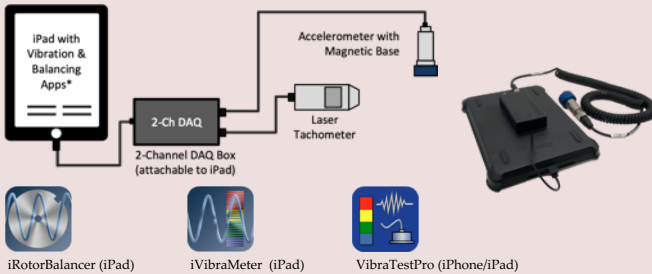


Features:

- Single-Plane balancing using 4-Runs/Vector methods
- 2-plane inbound/overhung balancing
- Real-time waveform/spectrum (FFT) of vibration signal
- Polar plots of trial and correction weights
- Angular mass distribution calculator
- Permissible residual imbalance determination
- Weight removal calculator
- One-button calibration for accelerometer input
- Balancing report generation with email sharing and wireless printing

Included in the Package:

- iPad (optional and customizable)
- 2-Channel DAQ box with 2-Ch simultaneous measurement
- Industrial single channel accelerometer with magnet base
- Laser tachometer with custom cable
- Custom iPad case for protection and to hold the DAQ box
- iRotorBalancer iPad app for rotor balancing
- iVibraMeter iPad App for overall vibration and certificate tests
- VibraTestPro iPhone/iPad App for vibration analysis
- Several other calculator apps as vibration reference tools



Hardware Specs	
Sensitivity	100 mV/g
Measurement Range	±20 g
Frequency Range	120 - 600,000 cpm
Resonance Frequency	1500 kcpm
Number of Inputs	2 channels
Sampling Rate	44k samples/sec
Power Supply	From iPad
Magnet Base Pull Force	85 lbf
Accelerometer Cable	10 feet

