

Single-Channel Vibration Kit



Motionics Single-Channel Vibration Kit is a low-cost yet effective solution for performing vibration test on the fly. It consists of an advanced digital accelerometer connecting to an iPhone/iPad along with iOS vibration apps.

The digital accelerometer is piezoelectric based, which guarantees accurate measurement and broad-frequency response. It integrates a 24-bit internal ADC, hence data is directly passed through lightning port on iPhone/iPad, eliminating the need of an external DAQ box. Calibration information is stored onboard and automatically used to calibrate input signal, no extra calibration procedure is required. Single-Channel Vibration Kit includes VibraTestPro App and iVibraMeter app. VibraTestPro is the go-to App to measure vibration on iPhone and iPad. It provides comprehensive vibration analysis features such as real-time waveform & spectrum viewer, ISO10816 vibration meter, raw signal recording and so on. The user can also use the iVibraMeter App on iPad for a quick overall vibration tests of multiple common machines such as pumps, motors, spindles, etc. with rapid PDF report generation capability.



Included in the Package:

- Digital Accelerometer x1
- 85 lbf Magnet Base x1
- Accelerometer Cable Accessory x1
- Protective Carrying Case x1
- iVibraMeter App (iPad) x1
- VibraTestPro App (iPhone/iPad) x1
- iPad with Industrial Protective Case (optional)

App Features:

- Vibration meter with ISO10816 severity indicator
- Interactive real-time waveform and spectrum viewer
- Customizable graph appearance: background color, line color, line thickness, grids
- Velocity and acceleration readings (metric & imperial)
- Peak cursor with auto peak detection and manual selection
- Distance cursor, harmonic cursor and sideband cursor
- Vibration raw signal recording and saving in local database
- Vibration signal export in CSV
- Plant-Machine-Test point structure for easy data management
- Customizable standard for severity indicator
- PDF test report with plant map, images, signature & notes



*iVibraMeter (iPad)



*VibraTestPro (iPad/iPhone)

iPad Vibration Balancer	Specification
Measurement Range	020 g pk
Frequency Range (3dB)	54 - 900,000 cpm
Non-Linearity	≤ 2%
Operating Temperature	-10 °C to +70 °C
Sampling Rate	44100 Hz
Internal ADC	24 bits
Magnetic Base Pull Force	85 lbf



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The software & hardware can be customized.
Contact Motionics for details.

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