

Shale Shaker Vibration Test Kit



Motionics shale shaker vibration Test kit is an iPad-based vibration analyzer specialized for shale shakers.

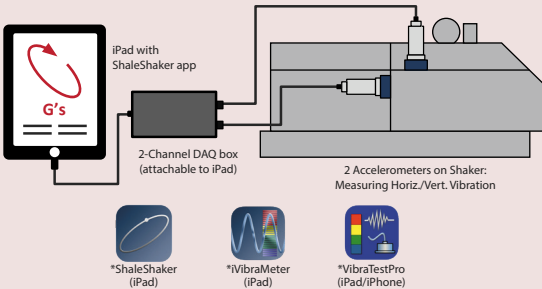
This kit comes with two accelerometers with magnetic bases that can be attached to a test point to measure vibrations in two directions. Accelerometer signals are acquired through the 2-Channel DAQ mounted on the back of the iPad and passed to the Shale Shaker App through iPad data port.

In the Shale Shaker App, users can see 2-Channel vibration spectrum, waveform and G Motion X-Y orbit plots. Vibration peak and RMS values can be recorded and saved to a test report. PDF reports are saved in local database and can be exported. The kit also comes with Motionics VibraTestPro App iPhone & iPad. Using this App, this kit can be used as a 2-Ch vibration analyzer with vibration analysis features such as real-time waveform & spectrum viewer, ISO10816 vibration meter, raw signal recording, etc.



Features:

- 2-Channel DAQ box with 2-Ch simultaneous measurement x1
- Industrial single channel accelerometer with magnet base x2
- 3ft coiled accelerometer cable (extends to 10ft) x2
- Custom iPad case for protection and to hold the DAQ box x1
- Shale Shaker iPad App for shaker vibration analysis x1
- iVibraMeter iPad App for overall vibration and certificate tests x1
- VibraTestPro iPhone/iPad App for vibration analysis x1
- iPad (optional and customizable)



Shale Shaker	Specification
Sensitivity	25 mV/g
Measurement Range	±50 g
Frequency Range	30 - 900,000 cpm
Resonance Frequency	1860 kcpm
Number of Inputs	2 channels
Sampling Rate	44100 Hz
Operating Temperature	0-50 °C
Magnetic Base Pull Force	85 lbf
Accelerometer Cable	10 feet

App Features:

- Two channel data acquisition
- G Readings: vertical, horizontal and resultant
- Real-time vibration waveform
- Wide range FFT spectrum
- X-Y plot (G Motion Plot)
- Peak/RMS vibration selection
- PDF Test report with plots, map, machine picture, signature and custom notes
- Local database and test report manager
- Export PDF report through E-mail and air-print



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

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