

Single-Channel Vibration Tester Kit

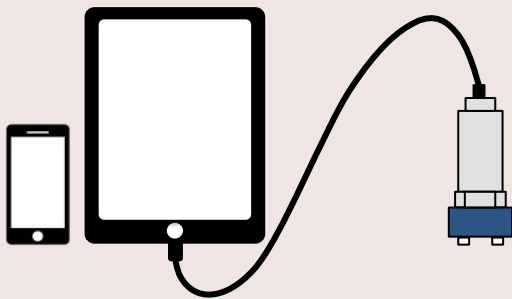
Motionics single-channel vibration RMS tester is a low-cost yet effective solution for overall vibration test and machine certification.

It consists of an advanced digital accelerometer directly connecting to iPhone/iPad through a USB Lightning adapter and iOS Apps for vibration severity evaluation based on ISO-10816-3. Accelerometer is automatically calibrated once connected, no extra calibration procedure needed.

Users can also record and export vibration raw signal for further analysis.

Specification:

- Measurement Range: $\pm 20g$ pk
- Frequency Range ($\pm 3dB$): 54 cpm to 900000 cpm
- Non-Linearity: $\leq 2\%$
- Temperature Range: $-10\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
- Sampling Rate: 44100 Hz
- Internal ADC: 24 bit
- Housing Material: Stainless Steel
- Magnetic Base Pull Force: 85 lbf



Included in the Package:

- Digital Accelerometer
- 85 lbf Magnet Base
- USB to Lightning Adapter
- Industrial Carrying Case
- iVibraMeter App for iPad
- VibraTestPro App for iPhone
- iPad Mini4 with Industrial Protective Case (optional)

Apps Features:

- Auto vibration signal collection and processing
- Vibration signal spectrum/waveform
- Touch cursor on spectrum
- Vibration in Velocity (ips or mm/s) or Acceleration (G's)
- Interactive ISO 10816 vibration severity table
- Metric and Imperial units option
- Vibration raw signal recording
- Vibration raw data export in CSV or WAV
- Machine type and support type selections
- Custom standard available with user defined severity thresholds
- Test protocol of several common industrial machines
- Test report with machine information, vibration levels, severity bar, map location, machine images, signature and notes
- PDF report email or wireless printing

