

VibraTestPro App (iPhone & iPad)

Vibration Analysis



VibraTestPro is a vibration analysis tool on iPhone/iPad. It reads and processes vibration signal from Motionics wired 2-CH kit accelerometers and single channel kit accelerometer via lightning port or Motionics VibeSense wireless accelerometer via Bluetooth Low Energy. VibraTestPro features ISO10816 based vibration meter, real-time TWF and FFT spectrum viewer, vibration signal recorder and local vibration data manager.



Universal on iPhone & iPad

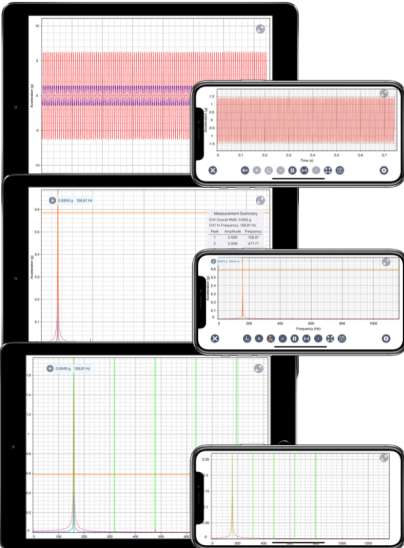
VibraTestPro is universal on iPhone and iPad, turning your mobile device at hand into a competent portable vibration analyzer.



ISO-10816 based Vibration Meter

VibraTestPro includes an ISO-10816 based vibration meter to allow users to evaluate machine overall vibration severity at one glance.

- Severity test based on ISO10816-3 standard or custom thresholds
- Interactive ISO-10816 vibration severity table
- Enlarged severity bar with 4 color zones for better view
- Machine type and support type selections
- RMS data and color code save to local data manager



Real-time TWF & FFT Spectrum Viewer

VibraTestPro features a real-time TWF & FFT spectrum viewer to display collected vibration signal in time waveform and FFT spectrum on iPhone and iPad.

- 2-CH simultaneous display
- Real-time waveform and FFT spectrum
- Interactive signal viewer with pan and pinch to move and zoom spectrum
- Customizable graph appearance: background color, line color, line thickness, dynamic grids
- Linear and log axis scale
- Full screen display
- Velocity and acceleration readings
- Metric and Imperial units
- Vibration signal information including overall RMS, major frequency and top 5 peaks
- Auto peak detection cursor and manual peak cursor
- Movable distance cursors to analyze two points in spectrum
- Harmonic cursors to show vibration harmonics
- Sideband cursors with options to define center frequency, number of sidebands and frequency interval

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Raw Vibration Signal Recorder

Users have the option to record raw vibration signal on VibraTestPro, save it to local data manager to access later or export in a CSV/WAV file.

- Raw vibration signal recording
- User defined recording sampling rate and length
- Recording manual or auto stop
- Recorded data export in CSV/WAV file via Airdrop, Email, Dropbox
- Recorded data save to local data manager



Local Data Manager

Records from vibration meter, spectrum viewer and raw data recorder can be saved in a local data manager to access in the future. Data manager uses Plant-Machine-Test Point structure to help users to quickly locate a testing record.

- Plant-Machine-Test Point structure for easy data management
- Save machine image to record
- Save test note to record
- Offline spectrum
- Export vibration signal



Wireless Sensor Support

VibraTestPro supports Motionics VibeSense Wireless Vibration Sensor to offer a wireless solution for condition monitoring of rotating machinery.

