iVibraMeter is an iPad application that connects to Motionics 2-CH DAQ box or single channel accelerometer and collects in real time the vibration signal. It displays the overall acceleration/velocity RMS value together with a severity bar based on different industry standards to show machine conditions. It also includes a library of common industrial machines including motor, fan pump, etc and allows users to quickly collect vibration readings at pre-defined test locations by a single tap. A real-time time waveform/FFT spectrum viewer updates vibration signal continuously, helping user to identify machine condition abnormality.

After each test, the user can quickly generate a PDF test report in iVibraMeter App to include machine information, vibration levels, severity bar, map location, pictures from library or camera, signature and notes. Test report can be saved locally in the plant-machine structured test report manager for future evaluation or exported via AirDrop, Email, wireless printing and cloud storage (Dropbox, Google Drive, OneDrive, etc).

Features:

- Real-Time overall RMS values
- Vibration signal spectrum/waveform
- Touch cursor on spectrum
- Vibration in velocity (ips or mm/s) or acceleration (G's)
- ISO 10816 and customized vibration severity thresholds
- One-tap data capturing at predefined test points on common industrial machines, including: motor, fan, pump, etc
- One button calibration for accelerometer input
- Generate reports with machine information, vibration levels, severity bar, map location, pictures from library or camera, signature and notes
- PDF report export via AirDrop, Email, wireless printing and cloud storage (Dropbox, Google Drive, OneDrive, etc)
- Local report manager
- Help & instructions

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