



# USB Digital Accelerometer

# USB Digital Accelerometer + Smartphone = The New Vibration Meter

## Problem

Handheld vibration meters are the traditional portable solutions for taking vibration level measurements. These measurements are useful for detecting vibration issues in machinery. However, once issues are detected, further analysis often requires more detailed vibration data. Acquiring this necessary data typically means using extra equipment and bringing in a vibration consultant. This additional level of complication can increase costs as well as shutdown time.

## Solution

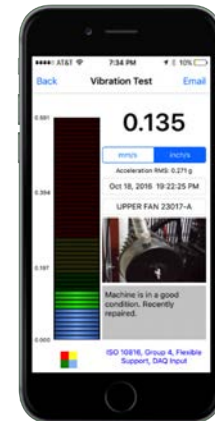
Motionics, a supplier of measurement solutions, has several smartphone apps that turn the USB Digital Accelerometer into a multifunctional vibration analysis tool. With Motionics' Apps and a USB Digital Accelerometer accelerometer, technicians can easily check equipment vibration levels, evaluate vibration severity based on ISO10816, view FFT spectrum, and create a simple test report. If a high vibration level occurs and further analysis is required, the Apps allow vibration recording from a USB Digital Accelerometer. This data can be sent to vibration specialists remotely for a chance of early diagnosis, decreasing shutdown time and costs.

## Benefit

With cross-platform capabilities and a magnetic mounting option, the USB Digital Accelerometer simplifies vibration analysis into one reliable, portable tool. This USB accelerometer utilizes state-of-the-art piezoelectric sensing technology to provide accurate results in an easy-to-use format. In addition to enabling vibration level readings on mobile devices, this device can connect with most Microsoft® Windows®, macOS®, iOS®, and Android™ devices to take a variety of measurements, including FFT analysis. These measurements can easily be saved and shared with others. The USB Digital Accelerometer is designed to work with a variety of recording software packages on these devices, making it a truly versatile tool for technicians in the field.



USB Digital Accelerometer on Air Compressor



Measurement Taken on Motionics App



USB Digital Accelerometer + iPad



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