

Motionics Single Channel Vibration Kit User Guide

Description

Motionics' single channel vibration analysis kit is an iPhone/iPad-based vibration analyzer. It includes a low voltage auto-calibrated digital accelerometer to acquire and pass vibration signals to Motionics vibration apps through an iPhone/iPad lightning port. In the iOS apps, users have the option to record raw vibration signals, view FFT spectrums, assess machine health conditions based on ISO 10816 standards, etc.

App Promo Codes

iVibraMeter:

VibraTestPro:

Included in the Package:

- Digital Accelerometer 1x
- Accelerometer Magnetic Base 1x
- Lightning to USB Adapter 1x
- Protective Carrying Case 1x
- iVibraMeter App 1x (ISO-10816-based overall vibration evaluation tool on iPad)
- VibraTestPro App 1x (iOS app to evaluate vibration severity and view vibration spectrum on iPhone/iPad)

Installing the Software

1. If you're not signed in with your Apple ID, do steps 1a-1c. Otherwise, begin step 2.
 - a. Open Settings on your iPhone/iPad, scroll down, and tap iTunes & App Store.
 - b. If you don't already have an Apple ID, tap Create New Apple ID and create one in the prompted window. Otherwise, sign in with your Apple ID.
2. Open the App Store on your iPhone/iPad and go to the Apps section by hitting Apps on the bottom of the screen.
3. Scroll down to the bottom of the page and tap Redeem. If a window pops up showing Sign Into iTunes Store, enter your Apple ID and password and hit OK.
4. Tap Enter Code Manually, enter one promo code, and tap Redeem. The app will start to download automatically. Repeat the above steps to redeem the other app.
1. If it's the first time using iVibraMeter, there is an extra step for activation. You will need to go to the General Setting page and tap Request Activation Code. The app will send us an email with device information and we will reply with an activation code. Enter the activation code in the text field and tap Done. The app is now ready to use.

Hardware Quick Start

2. Connect the accelerometer to the Lightning to USB adapter.
3. Connect the Lightning to USB adapter to iPhone/iPad.
4. Attach the accelerometer to the testing machine.
5. Launch either iVibraMeter (iPad) or VibraTestPro (iPad or iPhone) on your device.
6. The app will automatically detect the accelerometer and set up a calibration factor.
7. If a window in VibraTestPro pops up asking to access the microphone, hit Allow. This is necessary for the app to work properly.
8. Start testing using different tools in the apps.