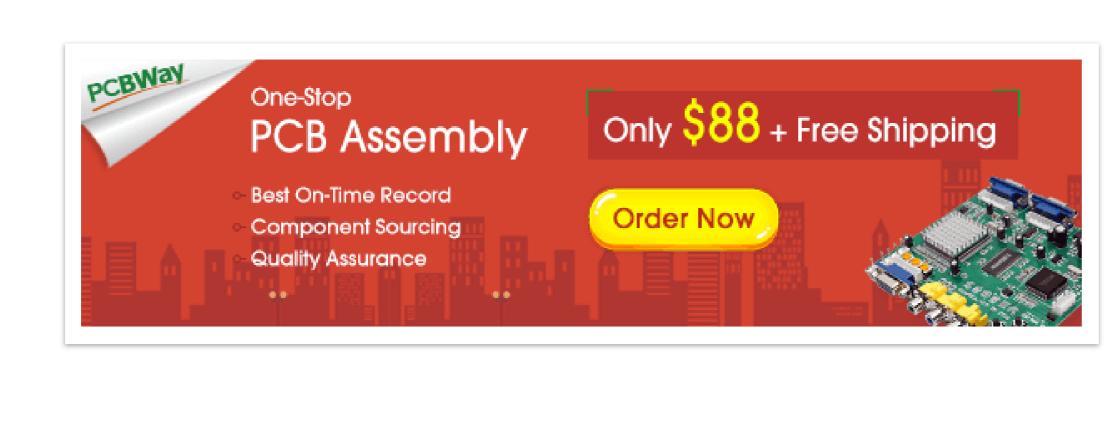
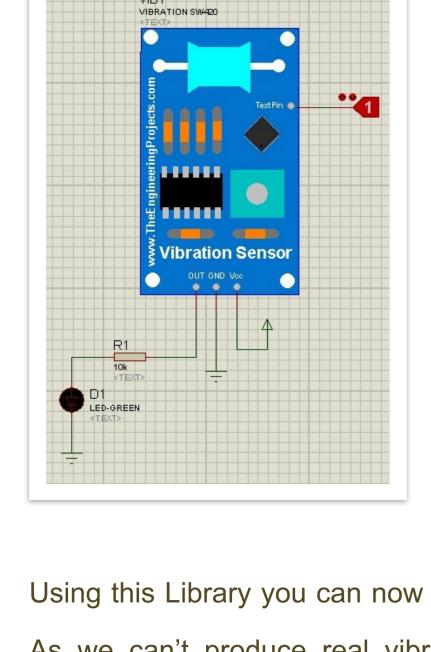
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A complete step by step tutorial on Vibration Sensor Library for Proteus. Home / Proteus / Vibration Sensor Library for Proteus

Vibration Sensor Library for Proteus





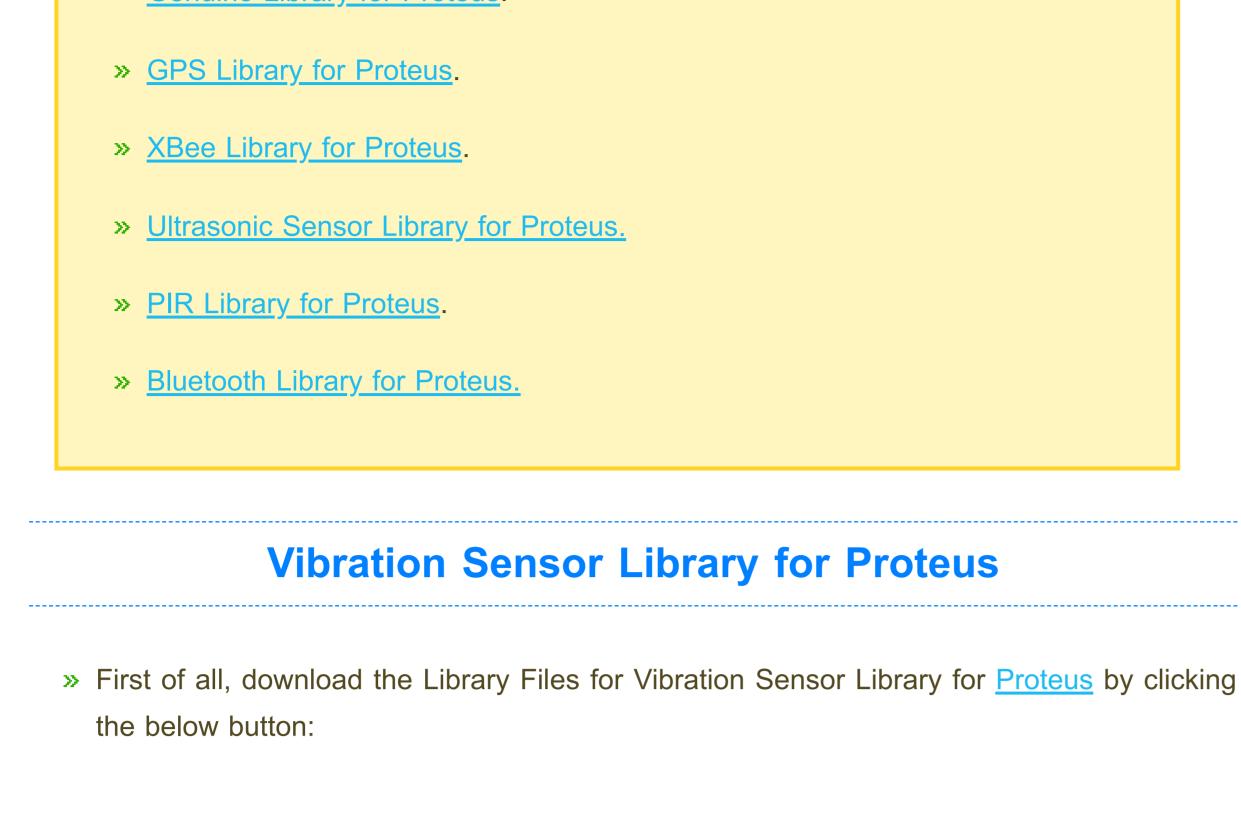
named as Vibration Sensor Library for Proteus. This Library is designed by our team on TEP and its not yet published anywhere. We are the first creator of this Vibration Sensor Library for Proteus. This Library contains just one Vibration Sensor named as SW-420. I will post a tutorial soon on interfacing of this SW-420 Vibration Sensor with Arduino. This library is compatible with all the microcontrollers like Arduino, <u>PIC Microcontroller</u> or <u>8051 Microcontroller</u> etc. Using this Library you can now easily Simulate your Vibration Sensor in Proteus ISIS software. As we can't produce real vibration in Proteus environment so that's why I have placed a

Hello friends, I hope you all are fine and having fun with your

lives. Today, I am going to share a new Proteus Library

you sent 1 then it means we have some vibration. The Library is given below for download along with a simple simulation of this vibration sensor. So, let's get started with Vibration Sensor Library for Proteus: **Note:** Other <u>Proteus Libraries</u> are as follows: » Arduino Library for Proteus. » Genuino Library for Proteus.

TestPin in this Vibration sensor. If you send 0 at this TestPin then it means no vibration and if



## When you download the file then it will contain three files named as: » VibrationSensorTEP.IDX

» VibrationSensorTEP.LIB

» If you are new to Proteus 7 Professional, then you should have a look at How

» In the components search box, you have to search for Vibration Sensor, and you will get

» Now place it on your Proteus work space and it will look something as shown in below

- » Place all these three files in the Library folder of <a href="Proteus software">Proteus software</a>.
- Note:

» VibrationSensorTEP.HEX

to add new Library for Proteus 8 Professional.

figure:

not.

Proteus software.

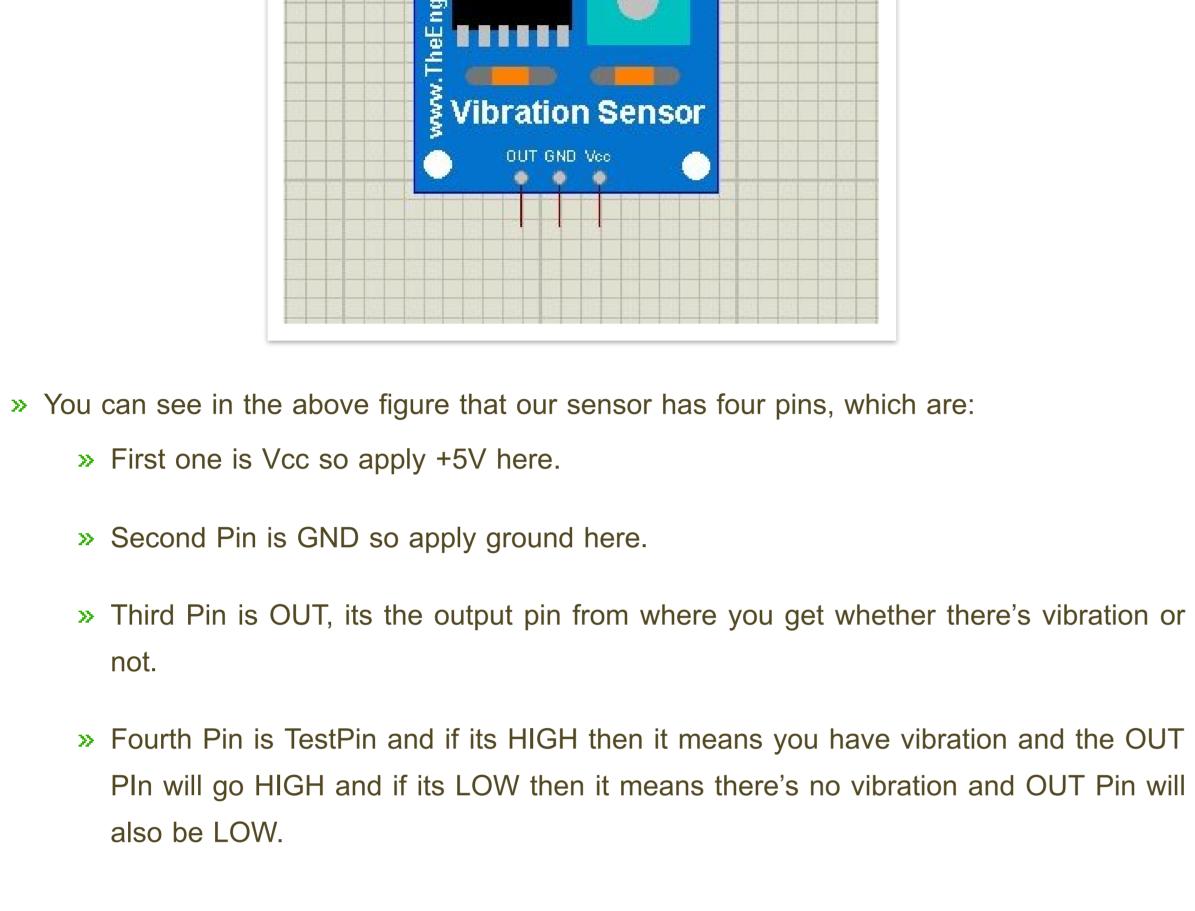
Vibration Sensor SW-420.

VIB1

» Noe restart your Proteus software if its already open.

VIBRATION SW420

TestPin 🐞



» In the properties, you will find a Program File, in this section browse to your file VibrationSensorTEP.HEX which we just downloaded and placed in the Library folder of

» So, in order to do that, design a simple circuit as shown in below figure:

» Now last thing you need to do is to double click this sensor to open its **Properties**.

the functionality in this Vibration Sensor. » Now let's design a simple example to get an idea how this sensor works.

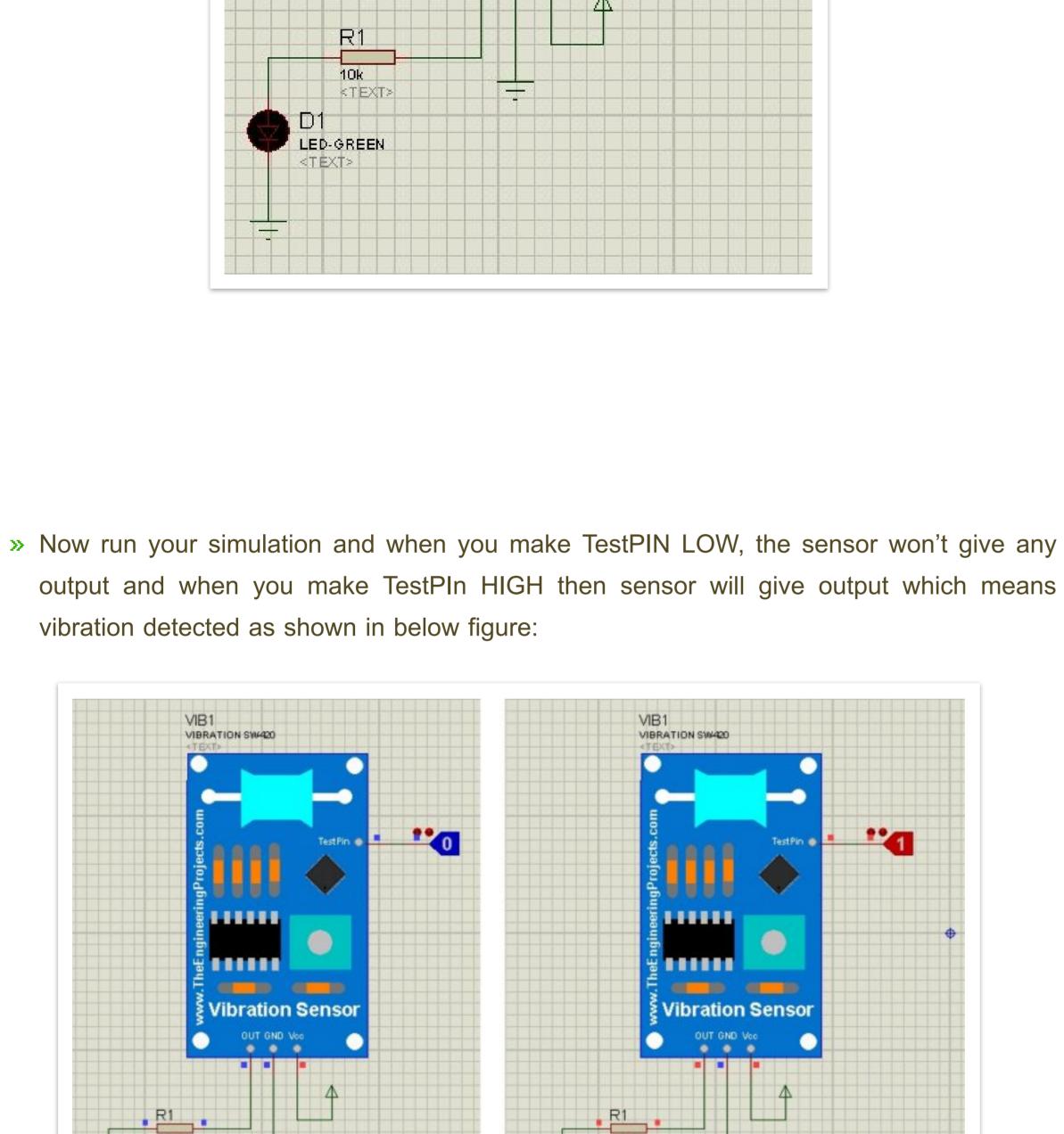
» Once uploaded now you can use your Vibration Sensor in Proteus, the hex file is adding

VIB1 VIBRATION SW420

Test Pin 🧶

₹ Vibration Sensor

OUT GND Vcc



» The above image is quite self explanatory.

» The below video will give you a better idea of how it works:

Vibration Sensor Library for Proteus

added one module rite now but I am gonna add more soon. You should also have a look at these New Proteus Libraries for Embedded Systems Projects. Take care !!! JLCPCB – Prototype 10 PCBs for \$2 (For Any Color) China's Largest PCB Prototype Enterprise, 600,000+ Customers & 10,000+ Online Orders Daily How to Get PCB Cash Coupon from JLCPCB: https://bit.ly/2GMCH9w Category: Proteus • By Syed Zain Nasir • August 3, 2016 • 4 Comments **Author: Syed Zain Nasir** 

I am Syed Zain Nasir, the founder of <a href=https://www.TheEngineeringProjects.com/>The

Engineering Projects</a> (TEP). I am a programmer since 2009 before that I just search

things, make small projects and now I am sharing my knowledge through this platform. I also

work as a freelancer and did many projects related to programming and electrical circuitry. <a

NEXT

**System** 

**GSM Based Home Security** 

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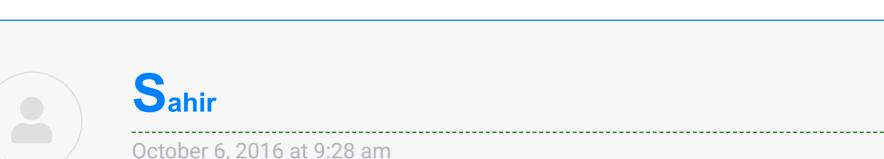
**PREVIOUS** 

Home

**Automation** 

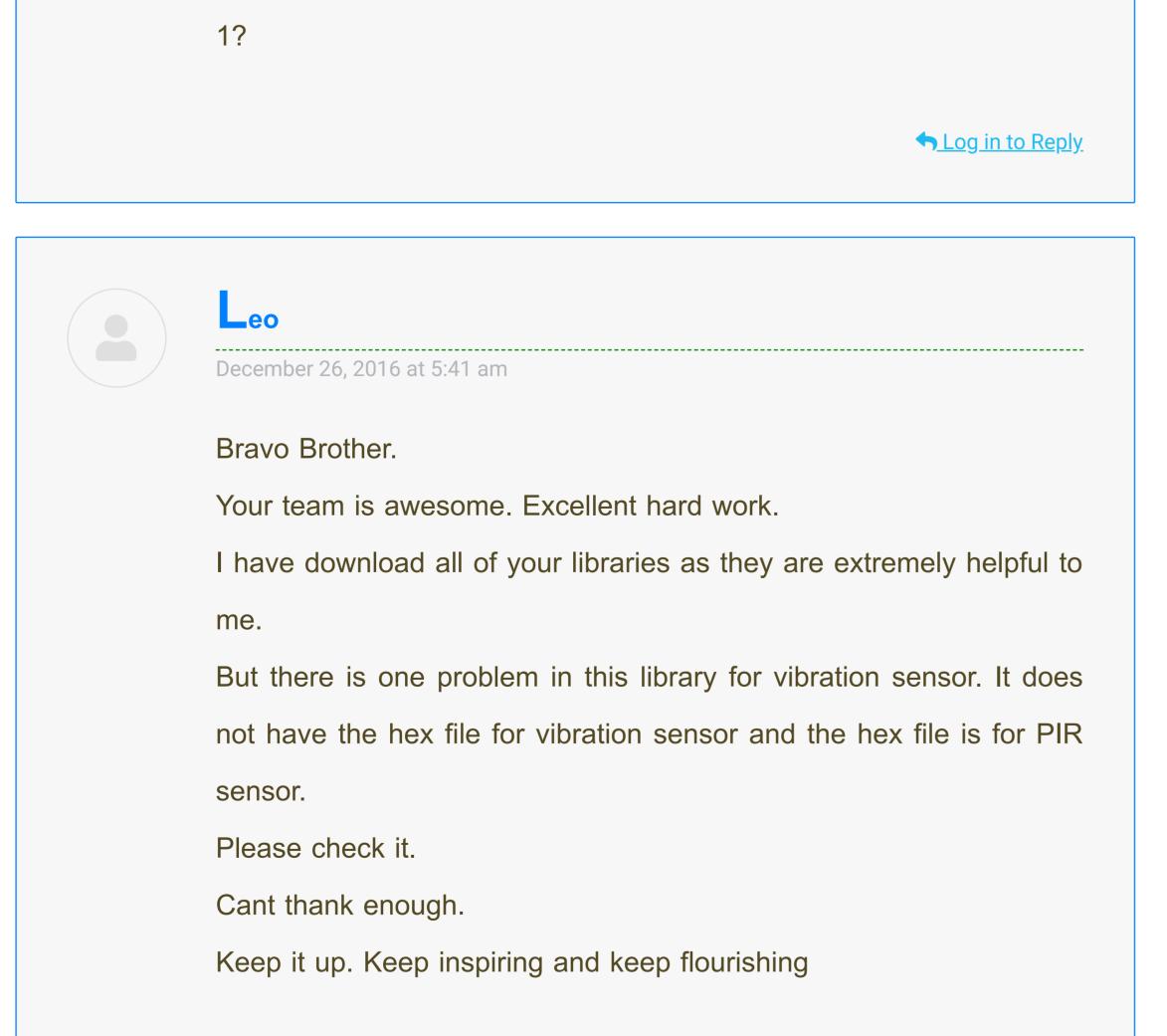
using XBee & Arduino

That's all for today. I hope you will enjoy this Vibration Sensor Library for Proteus. I have just



**4 Comments** 

**Project** 





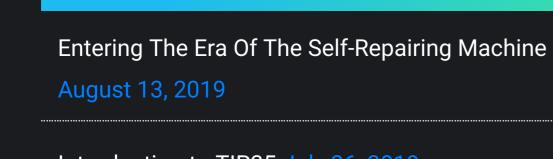
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November 12, 2018 at 9:23 pm

How to I get the library for SG3524???

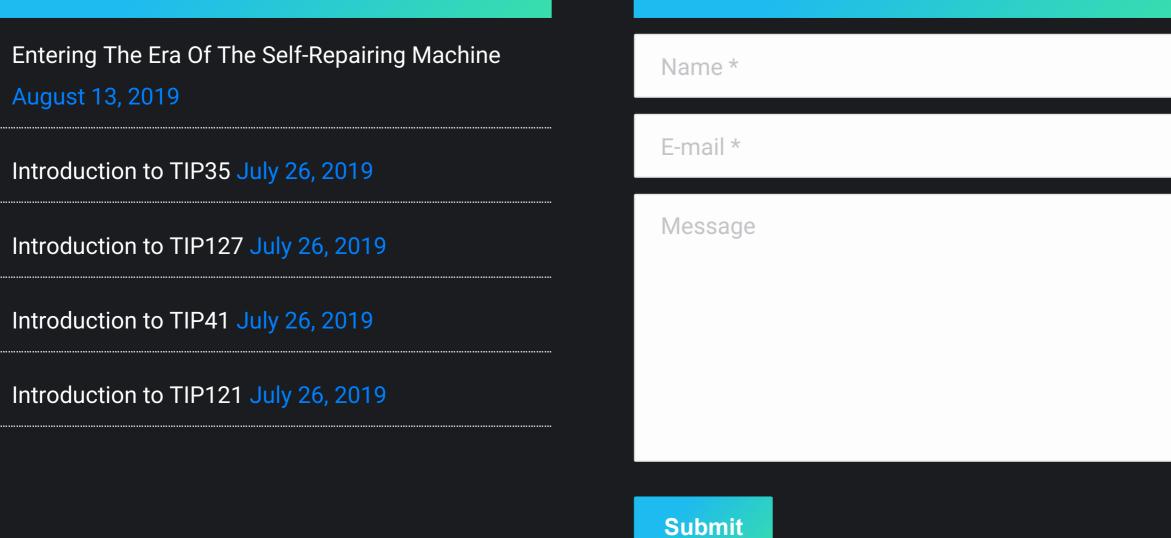


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October 6, 2016 at 9:28 am In order to check the output voltage response how to give slow vibrations? What is the sensitivity of vibration when we are giving

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