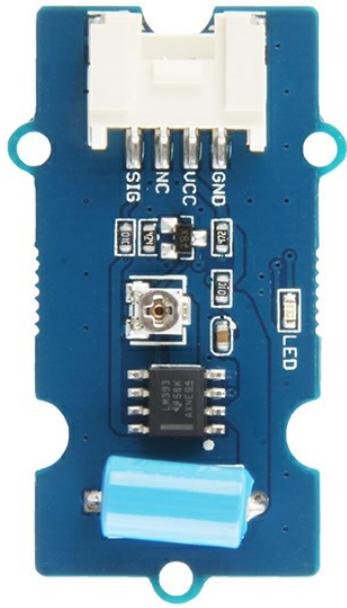
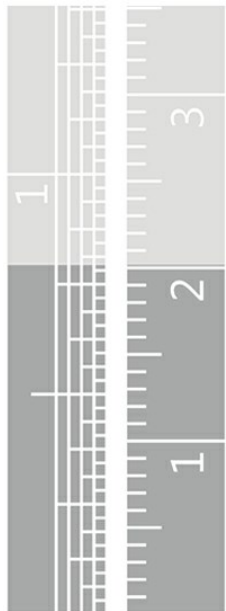


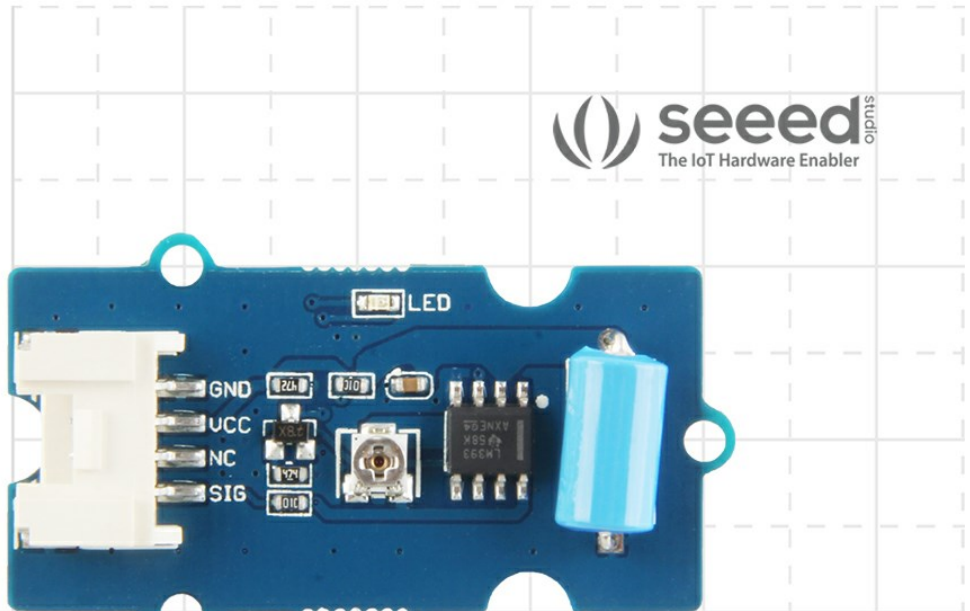
Vibration Sensor (SW-420) v1.0





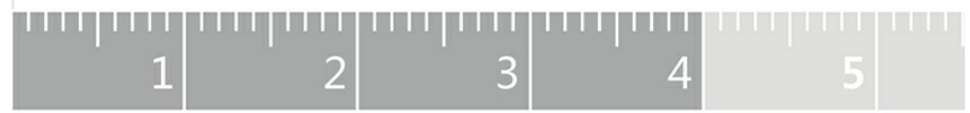
INCH

cm



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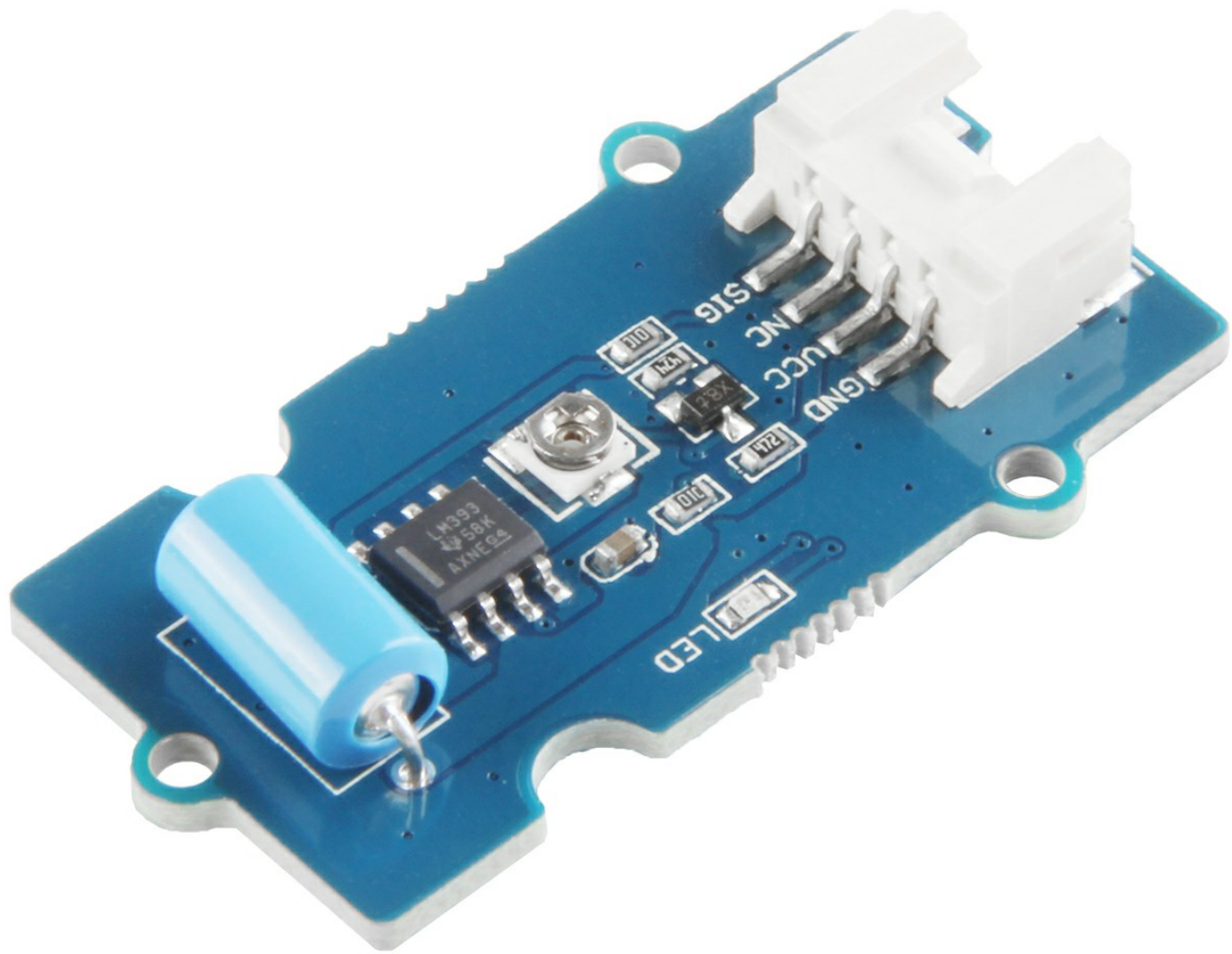
cm



INCH







## Grove - Vibration Sensor (SW-420)

SKU 101020586 [f](#) [t](#) [g+](#) [p](#) [w](#)

1

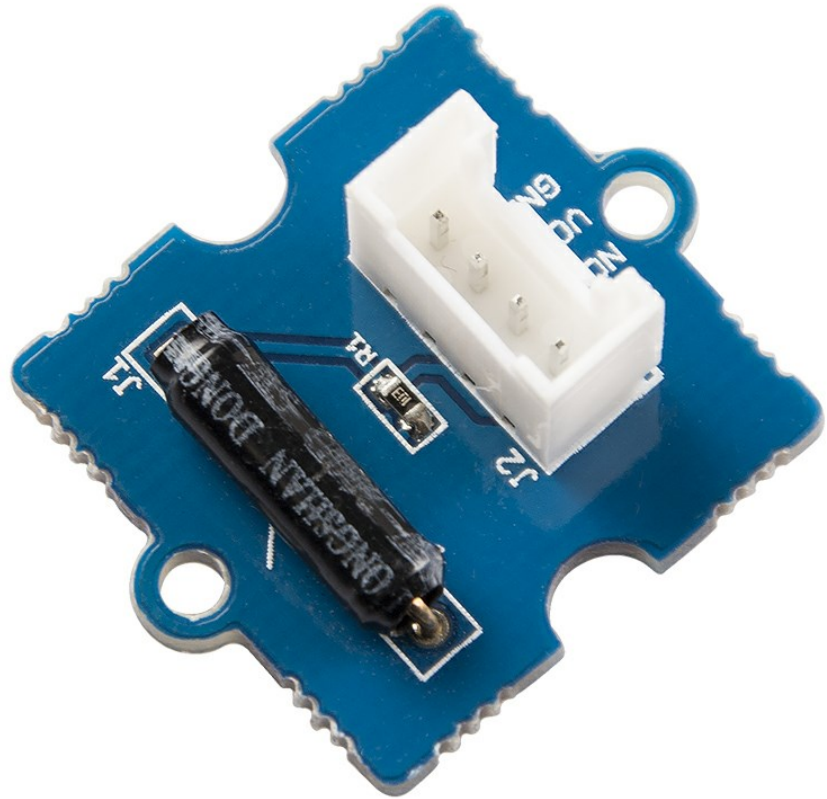
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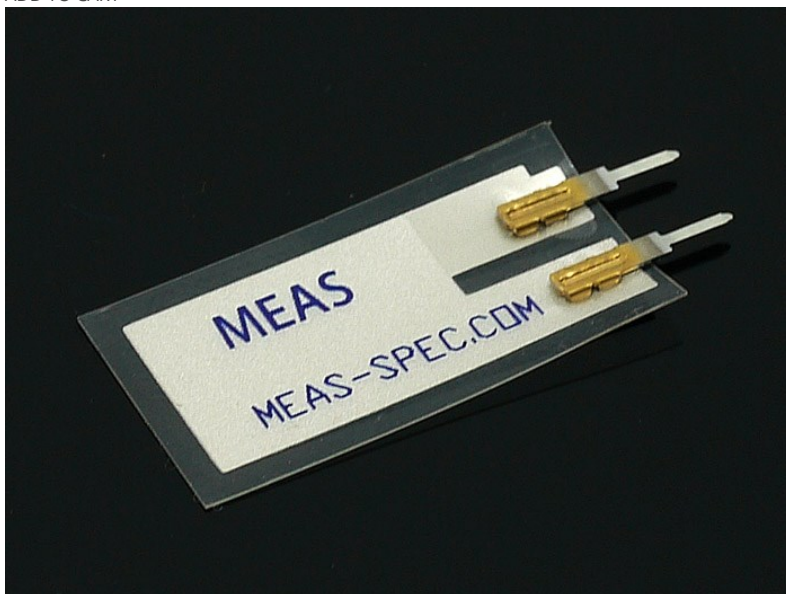
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Grove - Tilt Switch

Grove - Tilt Switch

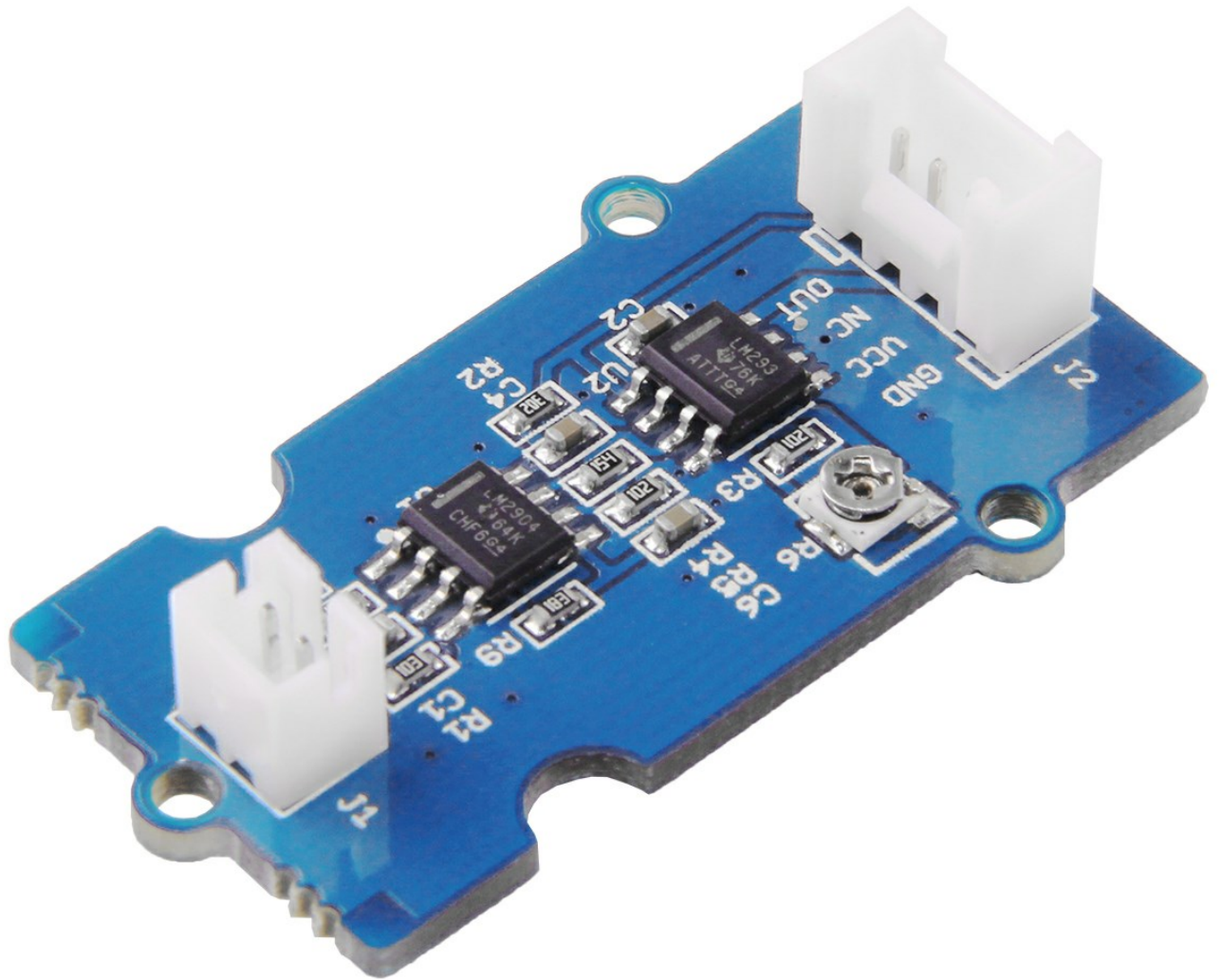
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Grove - Piezo Vibration Sensor

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### Description

#newproductsTuesday - All new Grove - Motion Sensor Modules

**NEW PRODUCT TUESDAY**  
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The Grove - Vibration Sensor (SW-420) is a high sensitivity non-directional vibration sensor. When the module is stable, the circuit is turned on and the output is high. When the module is tilted or vibration occurs, the circuit will be briefly disconnected and output low. At the same time, you can also adjust the sensitivity according to your own needs.



All in all, this is a perfect module for vibration or tilt sensor.

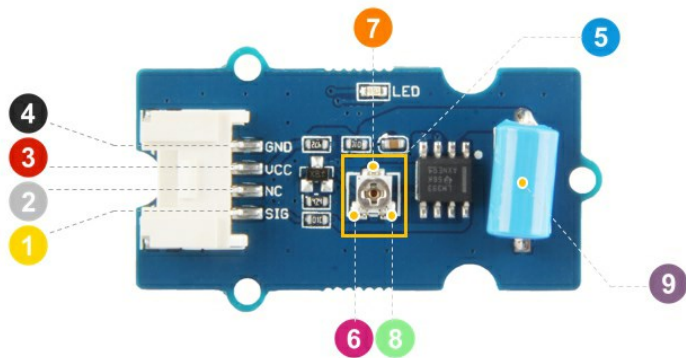
## Features

- Non-directional
- High sensitivity
- Respond to vibration, tilt
- Waterproof
- Compression resistance

## Typical Applications

- Car, bicycle, motorcycle burglar alarm
- Game control
- Vibration detection

## Pin Out



4 GND: connect this module to the system GND

3 VCC: you can use 5V or 3.3V for this module

2 NC: none connected in this module

1 SIG: output the Vout voltage signal

5 Potentiometer: you can use a screwdriver to rotate the potentiometer which controls the sensitivity of this sensor.

6 GND: the GND pin of the potentiometer.

7 Vsen: the lower the voltage of Vsen, the higher the sensitivity

8 VCC: the VCC pin of the potentiometer.

9 SW-420: the Vibration Sensor

## Technical Details

Dimensions	40mm x 20mm x 7mm
Weight	G.W 10g N.W 4g
Battery	Exclude
Operating Voltage	3.3V / 5V
Interface	Digital

## Part List

Grove - Vibration Sensor (SW-420)	1
Grove Cable	1

## ECCN/HTS

ECCN EAR99  
HSCODE9031900090

## Learn



### [Wiki] Grove - Vibration Sensor SW-420

This is the wiki page for this product, which will show you how to use the product, as well as details about the software and hardware.

## Questions and Answers

Have a question about this? Ask people who



## Grove - Vibration Sensor (SW-420)

SKU 101020586     

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