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HOME / PRODUCT CATEGORIES / FLEX / FORCE / PIEZO	VIBRATION SENSOR - SMALL VERTICAL Piezo Vibration Se [®] SEN-09199 ROHS ✓	ा ensor - Small Vertical
e) mages are OCEY23	DESCRIPTION DOUCHENTS The Ministense 100 from Meases, branch or ensor loaded by a mi branch or descling whorknow in used to produce the voltages, branch or ensort and due the voltages measure and and and the ministense ensort and the ministense measure and the ministense in the ministen of the prior vol- berstarboard friendly leaded	urement Specialties is a low-cost cantilever-type ass to offer high sensitivity at low frequencies. In the pringht from user: A small AC and large d when the film moves back an forth. A simple down to ADC levels. Can aliso be used for impact axes for vertical mounting. ymer Film tage output ta
Piezo Vibration Sensor - Small Vertica TUTORIALS SKILLS NEEDED Piezo Vibration Sensor Hookup Guide NY 5, 2016	l Product Help and Resou	irces
How to combine a piezo sensor, high-value resistor, and an Arduino to create a vibration		

5



COMMENTS () REVIEWS ()

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Member #746962 / about 2 years ago / * 1 Is the output similar to a standard piezo in terms of audio/frequency spectrum?

Matibul / about 5 years ago / \$2 how to measure heart rate?

Member #484615 / about 3 years ago / 🖈 1 Got a high sensitivity vibration sensor working nicely with Ardiuno Uno, including code to avoid false positives More in my blog at http://davidhoulding.blogspot.com/2014/11/advanced-high-sensitivity-vibration.html

Member #432439 / about 5 years ago / ★ 1 Do you think I can wire this Vibration sensor into a laser ammo bullet to release release an IR signal?

mikydeathgrind / about 5 years ago / * 1 These are a great little piezo element. I use them when your classic round copper elements are just to big. I am currently using them as just a digital signal input so 1 don't actually get a force sensitive reading but alternatively jet just an onoff switch basically. Great little sensors with many applications.

eddem / about 7 years ago / ★ 1 These things will put out very little current. I'm only seeing a few volts maximum on the CRO. The CRO should have 10 meg or so of input impedance. I'm honjng to use if indendy into an interrupt pin so the micro can be in a deep sleep. It will be a while before I set it up properly.

Amsmrlparks / about 8 years ago / 🖈 1 Microsoft found a cool use for these: http://www.newscientist.com/article/dn18591-body-acoustics-can-tum-your-arm-into-a-louchscreen.html

Impurchinker / about 8 years ago / * 1 Treceived this from my Arduino starter kit. How much voltage are you suppose to be getting from this thing? And what is the best way to use it with an Arduino? Lichecked out this

I chacked out this http://www.arduino.colen/Tutorial/Knock It and a couple of other google finds all basically use the a piezo element as a voltage source and pull down resistor. At least link haft's what's going on here. Regardless, wired up as above and a good whack with a finger only gives me an analog reading of at most 500 on the Arduino, mostly much lower readings of like 10-100. My meter hooked directly to the leads of the sensor only puts out like. 1 volts max from a thump. I'm not sure if there is a problem with my wiring or my meter (maybe the voltage spikes too quickly for the meter to read?) but I'm not getting anywhere near 90V from this thing.

Electricteardown / about 8 years ago / ★ 1 Tre go this, if I knock it I get 1023 and sometimes 0 right after. Have you tried without the 114 resis I don't have one so I used a 100pt capacitor instead which makes it vary between 0 - 55 when not knocked (wouldn't recommend It as a permanent solution). I also don't get anything with my meter.

