Force Sensitive Resistor 0.5"

DESCRIPTION

- Overall length: 2.375"
- Overall width: 0.75"
- Sensing diameter: 0.5"

Customer Reviews

🌟🌟🌟🌟 4.3 out of 5

Based on 15 ratings:

5 star: 7
4 star: 7

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I bought this resistor because I needed a pressure sensor, not one precise enough to build a scale, but giving more information than “something is there” and “Nothing is there”. That’s the way its datasheet describes it, and that’s exactly what it is, so yay FSR 0.5”.

Works well.

Does what it is supposed to do. If the object is not the same diameter as the sensor I had to put an object of that diameter under it to make the sensor work. But that could be my resistor value I chose as well.

I’m perfectly happy with the results.

Works well, perfect for breadboard prototyping!

The first one I bought I soldered vertically into the board just to find out that the metal paths in it can easily break. So I bent the leads on this one 90 degrees and glued the resistor to the PC board. Works great. I have the output of the voltage divider feeding into my Arduino’s analog input and the Arduino programmed to write raw data onto an SD card. I wrote a program in Visual C# to format the data so it can be imported into Graphical Analysis or Spreadsheet.

Over the last few months, I have purchased 8 fsr sensors. Out of this, 4 have broken (one has gone unused, bought extra in case of more breaking), The gold-colored metal rips off of the plastic. This is very unfortunate and disappointing. Otherwise, Sparkfun products has been great. I have done many many projects using Sparkfun products, and this is the first issue I have come across.

This product works wonderfully when functional. It should be confined to breadboard use only, but then there is little practical application aside from pinching with your fingers.

Resistance goes down with increasing pressure. Used this in a robotic arm application where the FSR was in a bite switch that activated the arm. Turns out moisture will wreck the FSR, so protecting it appropriately is necessary. Also when using this part between two hard surfaces like plastic, it helps a great deal to put pad over the FSR to act like the lad of your finger.

These sensors, despite being a bit expensive, work great for detecting foot steps on a floor we made. Much better than the other kind of sensor we are testing out at the same time.
Works perfectly.  
about 7 months ago by Member #1094843  
I was able to implement my project just fine, the sample code on this site was also a big help to start me off quickly.

I am using it for heel strike and toe-off event detection and it is giving me results which are perfectly fine. Thanks!

The sensor works fine........ I used it to measure the weight of an object on a mock assembly line for a college project. It worked as expected.

In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We’re here to help you start something.