
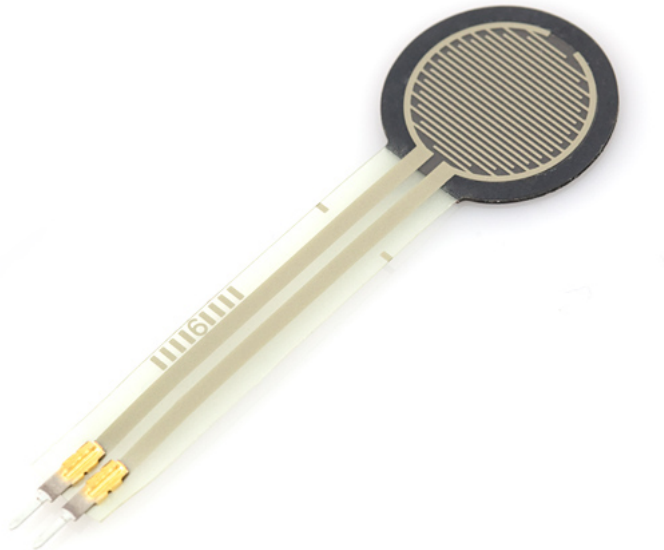




Force Sensitive Resistor 0.5"

SEN-09375 ROHS 

★★★★☆ 9



\$6.95

NOTIFY ME

1 quantity

☐ out of stock


\$6.95 1+ units

\$6.60 25+ units

\$6.26 100+ units

We do not currently have an estimate of when this product will be back in stock.

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Description: This is a force sensitive resistor with a round, 0.5" diameter, sensing area. This FSR will vary its resistance depending on how much pressure is being applied to the sensing area. The harder the force, the lower the resistance. When no pressure is being applied to the FSR its resistance will be larger than 1MΩ. This FSR can sense applied force anywhere in the range of 100g-10kg.

Two pins extend from the bottom of the sensor with 0.1" pitch making it bread board friendly. There is a peel-and-stick rubber backing on the other side of the sensing area to mount the FSR.

These sensors are simple to set up and great for sensing pressure, but they aren't incredibly accurate. Use them to sense if it's being squeezed, but you may not want to use it as a scale.

SparkFun Simple Sketches - Force Sensitive Resistor



Dimensions:

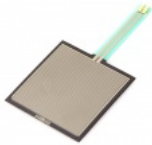
- Overall length: 2.375"
- Overall width: 0.75"
- Sensing diameter: 0.5"

- Documents:
- FSR Integration Guide
 - QuickStart Guide
 - Hookup Guide
 - Bildr Tutorial

Recommended Products



SPARKFUN RECOMMENDED
SparkFun Sensor Kit
DEV-13754
\$129.95



SPARKFUN RECOMMENDED
Force Sensitive Resistor - Square
SEN-09376
\$9.95
★★★★☆ 4



SPARKFUN RECOMMENDED
Force Sensitive Resistor - Small
SEN-09673
\$5.95
★★★★☆ 3



SPARKFUN RECOMMENDED
Flexiforce Pressure Sensor - 25lbs (1" area)
SEN-11207
\$24.95

COMMENTS 36 **REVIEWS ★★★★★ 9** TUTORIALS 1

Customer Reviews

★★★★☆ 4.2 out of 5

Based on 9 ratings:

5 star	4
4 star	4
3 star	0
2 star	1
1 star	0

1 of 1 found this helpful:

★★★★★ It does exactly what it says
about 2 years ago by Member #649279 verified purchaser

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".

1 of 2 found this helpful:

★★★★☆ Works well.
about a year ago by JohnathanN. verified purchaser

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 thst 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.

★★★★★ Great product!

about 11 months ago by Member #746164 ✓ verified purchaser

Works well, perfect for breadboard prototyping!

★★★★☆ Using this sensor

about 2 years ago by Member #425638 ✓ verified purchaser

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.

★★★★☆ Force Sensitive Resistor Review

about 6 months ago by Member #806988 ✓ verified purchaser

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.

★★☆☆☆ Not a great product for a final project.

about 5 months ago by Member #780913 ✓ verified purchaser

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 dissapointing. 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.
