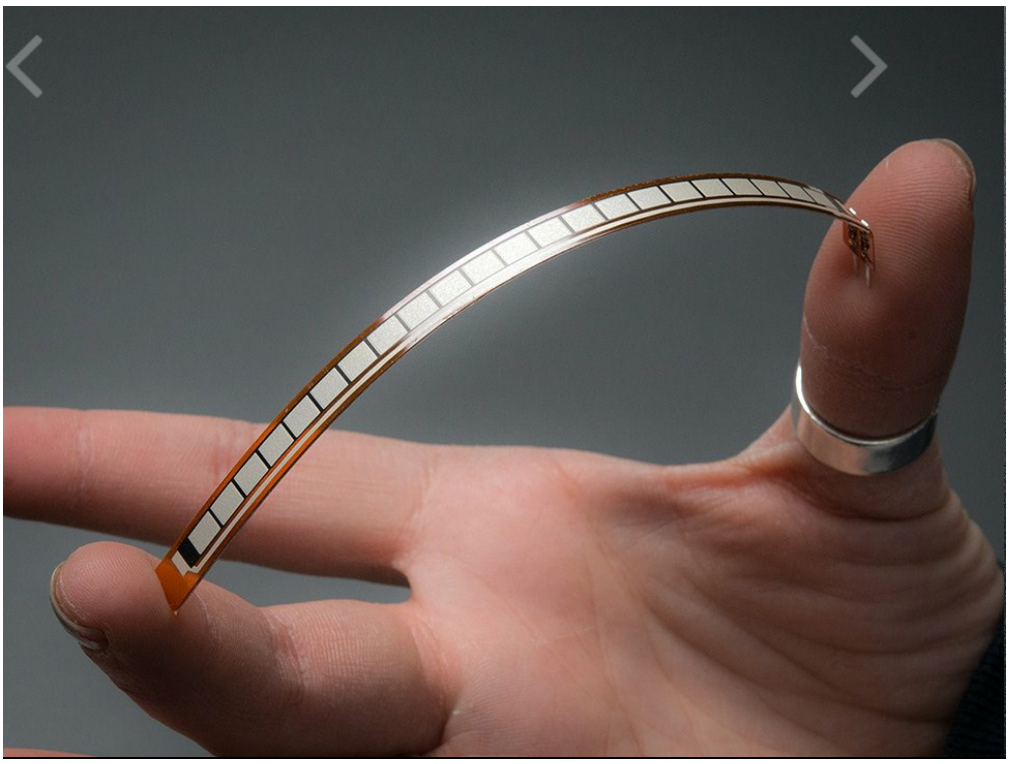

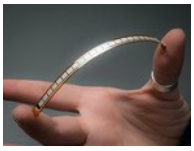

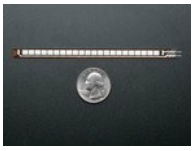

Long Flex sensor

PRODUCT ID: 182

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DESCRIPTION

This sensor can detect flexing or bending in one direction. They were popularized by being used in the Nintendo PowerGlove as a gaming interface.

These sensors are easy to use, they are basically resistors that change value based on how much they're flexed. If they're unflexed, the resistance is about ~10KΩ. When flexed all the way the resistance rises to ~20KΩ. They're pretty similar to FSRs so following this tutorial will get you started. You can use an analog input on a microcontroller (with a pullup resistor) or a digital input with the use of a 0.1uF capacitor for RC timing.

The bottom part of the sensor (where the pins are crimped on) is very delicate so make sure to have strain relief - such as clamping or gluing that part so as not to rip out the contacts!

TECHNICAL DETAILS

Dimensions:

- Length: 112.5mm/4.4in
- Width: 6.38mm/0.25in
- Thickness: 0.5mm/0.2in
- Weight: 0.5g/0.017g

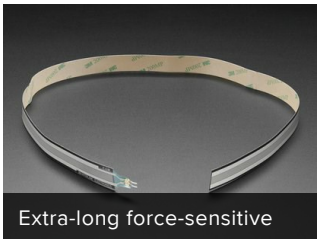
Downloads:

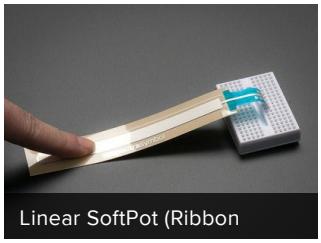
Datasheet from SpectraSymbol

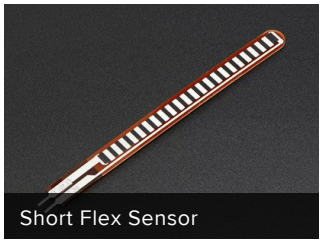
LEARN

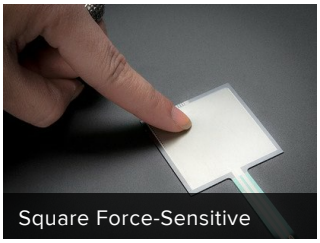
Basic Resistor Sensor Reading on Raspberry Pi
Reading resistive sensors with RC timing

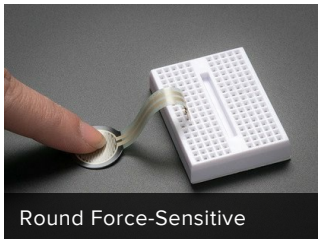
MAY WE ALSO SUGGEST...

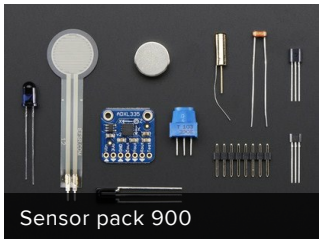

Extra-long force-sensitive


Linear SoftPot (Ribbon


Short Flex Sensor


Square Force-Sensitive


Round Force-Sensitive


Sensor pack 900


Circular Soft Potentiometer


Pressure-Sensitive

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"...programming is more than an important practical art. It is also a gigantic undertaking in the foundations of knowledge" - Grace Hopper