SKU:DFR0052 (https://www.dfrobot.com/product-399.html)

Analog Piezo Disk Vibration Sensor (SKU:DFR0052) (https://www.dfrobot.com/product-399.html)

Introduction

The **DFRobot Vibration Sensor** (https://www.dfrobot.com/product-399.html) buffers a piezoelectric transducer that responds to strain changes by generating a measurable output voltage change. Therefore the volatage is propotional with the strength of vibration.

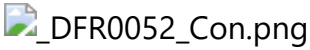
Specification

- Power supply: Not necessary to power the module
- Interface: Analog
- Supply Voltage: 3.3V to 5V
- Current: less than 1mA
- Weight: 10g

Pin Definition

Tutorial

Connection diagram



Sample Code

```
void setup()
{
  Serial.begin(9600); //
}
void loop()
{
      int val;
      val=analogRead(0);//Connect the sensor to analog pin 0
      Serial.println(val,DEC);//
      delay(100);
}
```

Result

When no pressure is applied to the piezoelectric ceramics, the analog output is 0; when pressure is applied to the piezoelectric ceramics, the analog output will being correlated to the amount of pressure.

FAQ

Some general Arduino Problems/ FAQ/ Tips, very good to know:

Click the topic link (https://www.dfrobot.com/forum/viewtopic.php?f=8&t=1869&p=8624#p8624) on DFRobot Forum.

For any questions/advice/cool ideas to share, please visit **DFRobot Forum** (https://www.dfrobot.com/forum/).

More Documents

Shopping from **Gravity: Digital Piezo Disk Vibration Sensor** (https://www.dfrobot.com/product-399.html) or **DFRobot Distributor**. (https://www.dfrobot.com/index.php?route=information/distributorslogo)

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