Analog Piezo Disk Vibration Sensor (SKU:DFR0052)

Contents

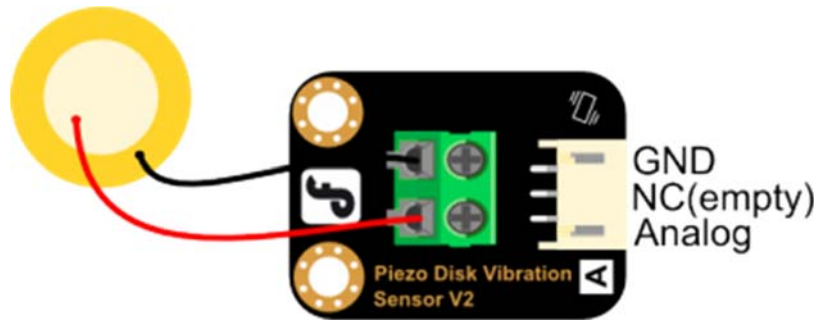## Introduction

The DFRobot Vibration Sensor buffers a piezoelectric transducer that responds to strain changes by generating a measurable output voltage change which is propotional with the strength of vibration.
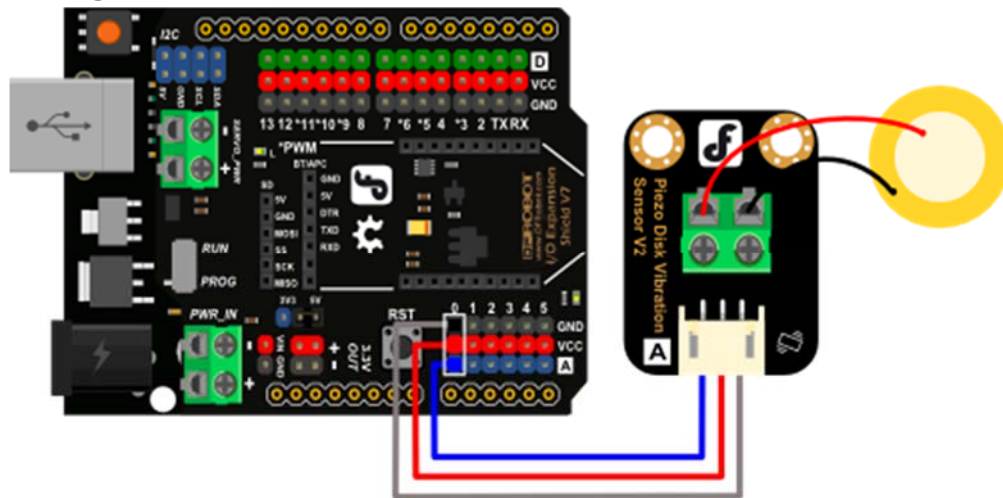
Specification

Power supply: Not necessary to power the module
Interface: Analog
Current: less than 1mA
Weight: 10g

Pin Definition

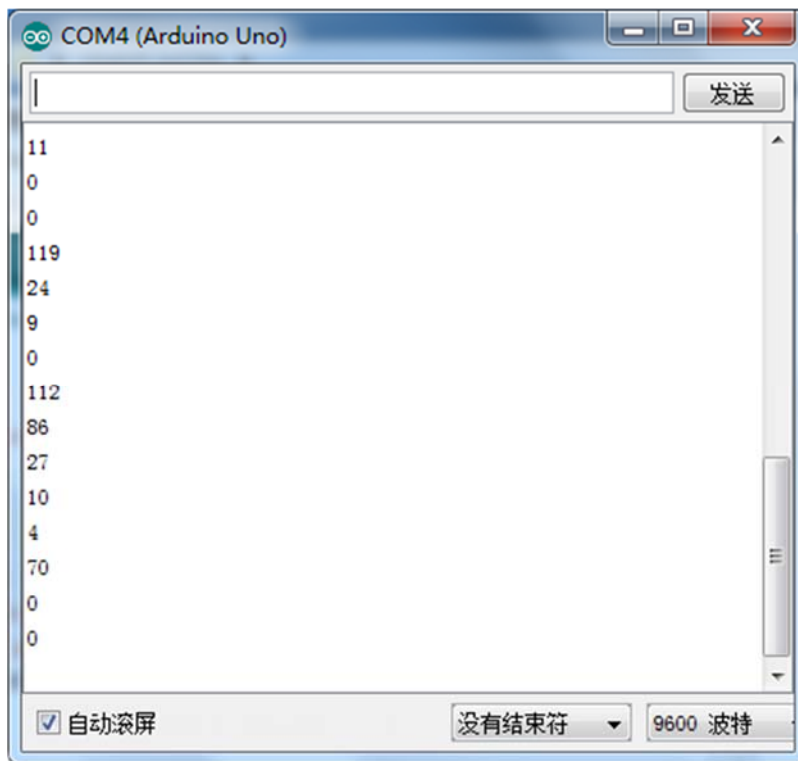## Tutorial

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 pressure is applied not to the piezoelectric ceramics, the analog output of 0; when pressure is applied to the piezoelectric ceramics, the analog output will send the change, but as the pressure increases.