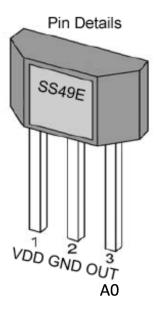
How to use SS49E Linear Hall-Effect Sensor

- 1. Description
- 2. Wiring
- 3. Upload sample code
- 4. How to interpret the reading

1. Description

It can measure both north and south polarity of a magnetic field and the relative strength of the field.

2. Wiring



- 1. $VDD \rightarrow 3V$
- 2. GND → Ground
- 3. OUT \rightarrow A0

3. Upload sample code

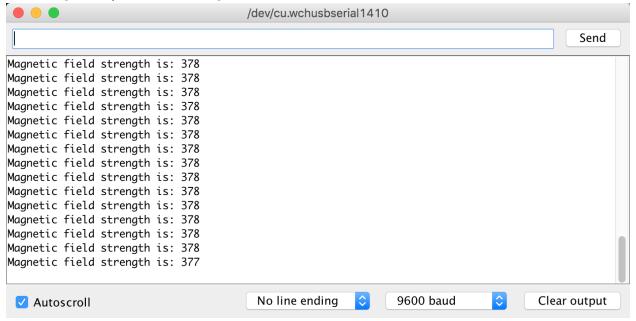
```
int mag_strength;
int sensor_pin = A0;

void setup() {
    Serial.begin(9600);
}

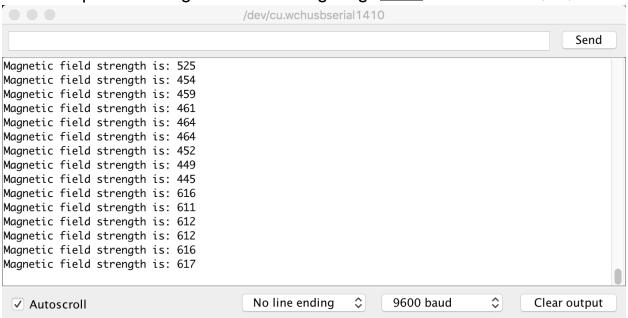
void loop() {
    mag_strength = analogRead(sensor_pin);
    Serial.print("Magnetic field strength is: ");
    Serial.println(mag_strength);
    delay(200);
}
```

4. How to interpret the reading

If no magnet is present, reading is at constant vale, around 300.



If the north pole of the magnet is close, reading will go above the stable value (378).



If south pole of the magnet is close, reading will go below the stable value (378).

