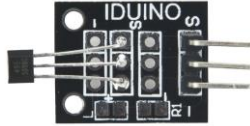


Hall Effect Sensor (SE022)



1 Introduction

This module is analog hall sensor module, it can output an analog voltage at the signal pin of this module. This module is different from hall magnetic sensor (Module 31), which just output digital signal, like a magnetic switch.

Specification

- Operation voltage: 5V
- 3Pin
- Size: 25*12mm
- Weight: 8g

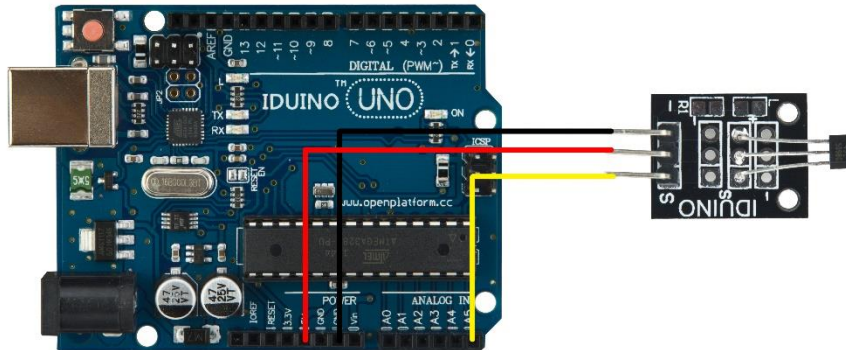
2 Pinout

Pin	Description
S	Analog output pin, real-time output voltage signal
+(middle pin)	Power
-	Ground

3. Example

In this example, this module will read the value of magnetic and print on the Serial Monitor. These value can be reflect the intensity of environment magnetic.

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Example Code:

*****Code begin*****

```
int sensorPin = A5;    // select the input pin
int ledPin = 13;      // select the pin for the LED
int sensorValue = 0;  // variable to store the value coming from the
sensor
```

```
void setup () {
  pinMode (ledPin, OUTPUT);
  Serial.begin (9600);
}
```

```
void loop () {
  sensorValue = analogRead (sensorPin);
  digitalWrite (ledPin, HIGH);
  delay (sensorValue);
  digitalWrite (ledPin, LOW);
  delay (sensorValue);
  Serial.println (sensorValue, DEC);
}
```

*****Code End*****