

## Touch Sensor(SE061)



### 1 Introduction

This module is a metal touch sensor, it looks like module7(flame sensor module), has 4 pin, including one analog pin and digital pin, but usually we just use the digital pin. Which can be used to detect whether a human body is touching the metal detector.

### Specification

- Operation voltage: 5V
- Both digital and analog output pin
- Adjustable sensitive
- Size: 30\*15mm
- Weight: 3g

### 2 Pinout

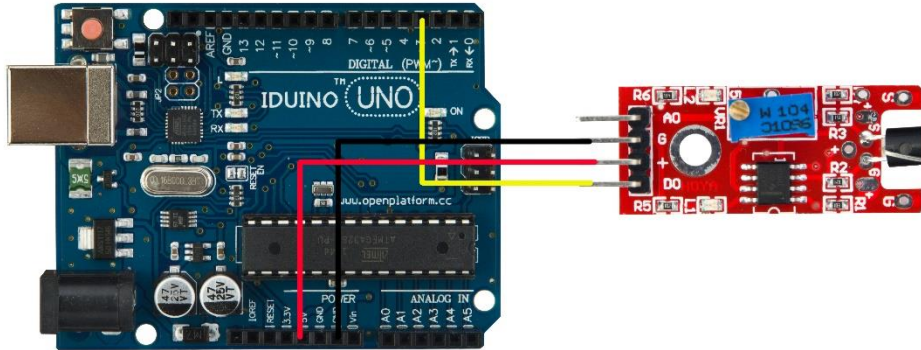
Pin	Description
A0	Analog output pin, real-time output voltage signal(usually useless)
D0	Digital output pin, output Low or High signal when the human body touch it
+	Power(5V for analog, 3.3V for digital)
G	Ground

### 3Example

Here is a example show you how to use this module, connection as below. When you touch the metal detector via your finger, the LED13 turns on.

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\*\*\*\*\*Code begin\*\*\*\*\*

```
int Led = 13; // define LED Interface
int buttonpin = 3;
int val; // define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ; //define LED as output interface
  pinMode (buttonpin, INPUT) ; // define metal touch sensor output interface
}
void loop ()
{
  val = digitalRead (buttonpin) ; //digital interface will be assigned a
  value of 3 to read val
  if (val == HIGH) //When the metal touch sensor detects a signal, LED
  flashes
  {
    digitalWrite (Led, HIGH);
  }
  else
  {
    digitalWrite (Led, LOW);
  }
}
```

\*\*\*\*\*Code End\*\*\*\*\*