

高感度聲音傳感器

ARDUINO 代碼

1. 數字輸出:

```
int Led=13;//定義 ED 接口
int buttonpin=3 //定義傳感器D0接口
;int val;//定義數字變量val
void setup()

{
pinMode(Led,OUTPUT);//定義LED 為輸出接口
pinMode(buttonpin,INPUT);//定義傳感器D0為輸出接口
}
void loop()
{
val=digitalRead(buttonpin);//將數字接口3的值讀取賦給val
if(val==HIGH)//當聲音檢測模組檢測到有信號時，LED 閃爍
{
digitalWrite(Led,HIGH)
;}
else
{
digitalWrite(Led,LOW)
;}
}
}
```

2. 模擬輸出:

```
int sensorPin = A5;    // select the input pin for the potentiometer
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);
}
```