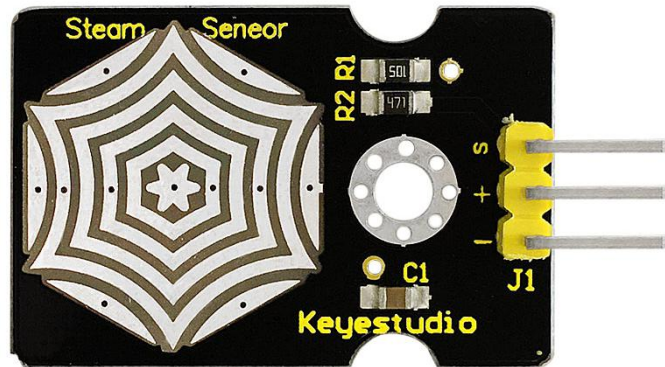# keyestudio

Keyestudio Steam Sensor

Introduction

Steam sensor is an analog sensor and can be made as a simple rainwater detector and liquid level switch. When humidity on the face of this sensor rises, output voltage will increase.

Caution: connection parts is non-waterproof, so please don't put them into water.

Performance Parameters

1. Working Voltage: 3.3V or 5V

2. Working Current: <20mA

3. Range of Working Temperature: －10℃～＋70℃

4. Interface Type: Analog Signal Output

Pin Definition:

- **S**：Signal Output

- **+**：Power Supply (VCC)

- **-**：Ground (GND)

Connection Diagram
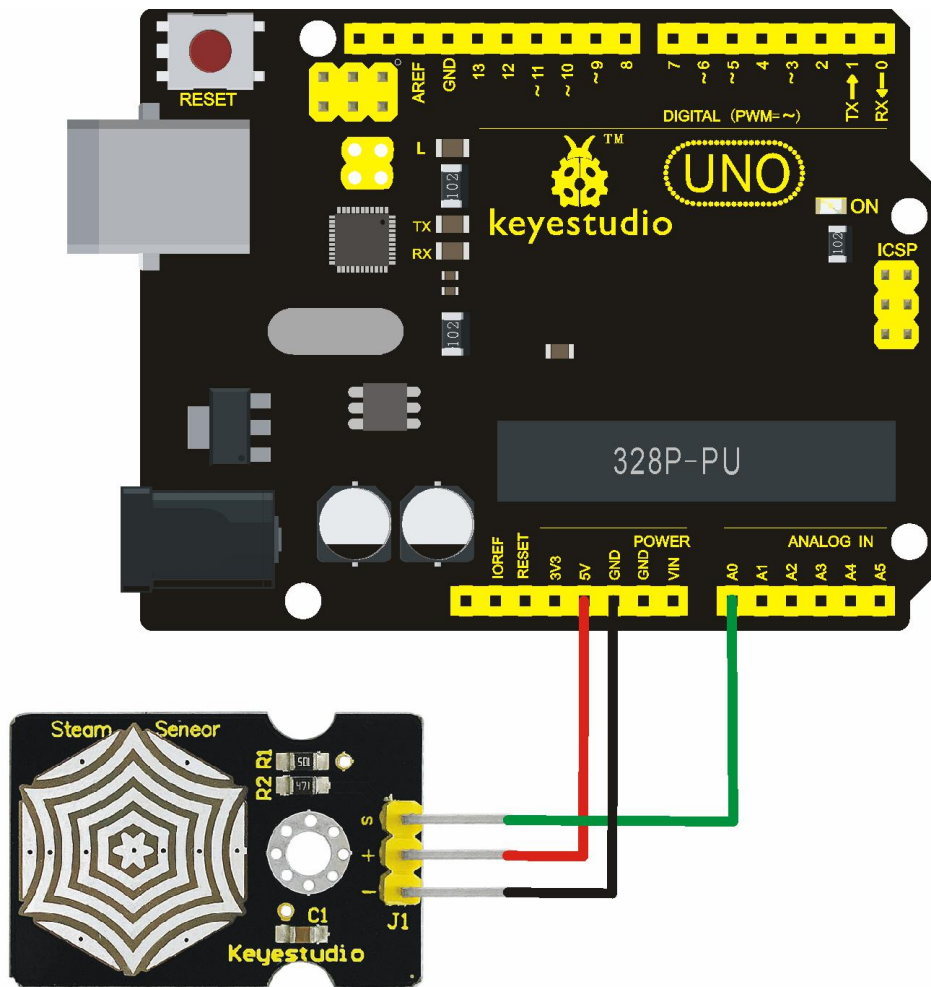
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Sample Code

```
***************************************************

void setup()

{

Serial.begin(9600); //open serial port, and set baud rate at 9600bps

}

void loop()

{

int val;

val=analogRead(0); //plug vapor sensor into analog port 0

Serial.print("Moisture is ");

Serial.println(val,DEC); //read analog value through serial port printed

delay(100);

}

***************************************************
```

Test Result

When you detect different degrees of humidity, the sensor gets the feedback of current value. Shown as the following picture, the value is displayed on serial port when the sensor detects the steam of boiled water.

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COM3

Send

Moisture is 937
Moisture is 937
Moisture is 936
Moisture is 936
Moisture is 937
Moisture is 937
Moisture is 937
Moisture is 936
Moisture is 936
Moisture is 936
Moisture is 936
Moisture is 938
Moisture is 939
Moisture is 938

☑ Autoscroll   No line ending ∨   9600 baud ∨