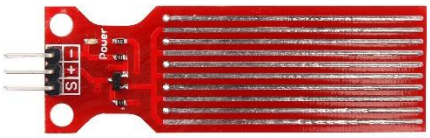
Water Sensor(SE045)



1. Introduction

This module is called water sensor, it can detect water or other fluid covers the wire area or not. If the board has water or another fluid covering all the wire, then it will output a maximum analog value reading. Since analog values read by an arduino range from 0 (lowest reading) to 1023 (highest reading), a board completely submerged with a liquid will have a reading of 1023 by an arduino. If the board is halfway covered, a reading of about 512 will be read by the arduino. If the board is 1/4 covered by a liquid, then the arduino will read about 256. And if no liquid is on it at all, then a near 0 reading should be obtained.

Specifications:

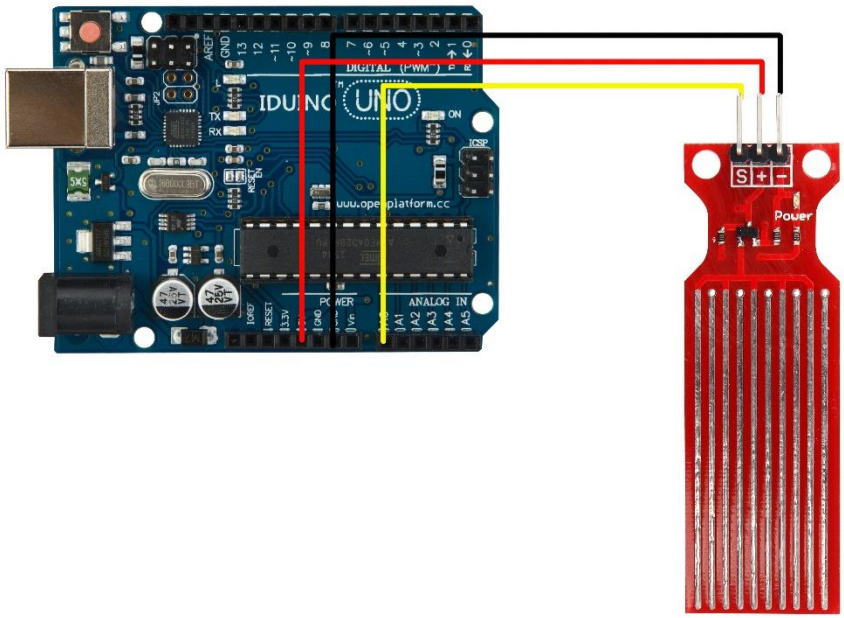
Voltage: 5V DC
Size:65mm*20mm
Weight:5g

2.Pinout

Pin	Description
"S"	Signal pin
"-"	Gnd
"+"	Vcc(reference voltage:5V DC)

3 Example

This is a simple code for the water sensor module, Connection as below:



Example code :

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

```
const int sensorPin= 0; //sensor pin connected to analog pin A0
int liquid_level;

void setup() {
Serial.begin(9600); //sets the baud rate for data transfer in bits/second
pinMode(sensorPin, INPUT);
}

void loop() {
liquid_level= analogRead(sensorPin); //arduino reads the value from the
liquid level sensor
Serial.println(liquid_level);//prints out liquid level sensor reading
delay(100);
```

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