

# **User Manual**

## **For**

### **Soil Moisture Sensor for Arduino(ME110)**



### Description:

This Soil Moisture Sensor is a simple breakout for measuring the moisture in soil and similar materials. The two large exposed pads function as probes for the sensor, together acting as a variable resistor. The more water that is in the soil means the better the conductivity between the pads will be and will result in a lower resistance, and a higher SIG out.

### Specification

- Power Supply: 3.3V or 5V
- Working Current: Less than 20mA
- Output Voltage: 0~3.0V when 5V power supply; 0~1.7V when 3.3V power supply
- Sensor Type: Analog output
- Service Life: 1 year approximately

### PinOut

| Pin | Description        |
|-----|--------------------|
| +   | Power supply 5V/DC |
| -   | Ground             |
| S   | Analog Output pin  |

### Example:

The wire connection as below:

"+"-----5V  
"-"-----Gnd  
"S"-----A0

\*\*\*\*\*Code Begin\*\*\*\*\*

```
int sensorPin = 0;
int sensorValue = 0;
void setup() {

    Serial.begin(9600);
}

void loop() {
    sensorValue = analogRead(sensorPin);
    delay(1000);
    Serial.print("sensor = " );
    Serial.println(sensorValue);
}
```

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