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

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Power supply 5V/DC</td>
</tr>
<tr>
<td>-</td>
<td>Ground</td>
</tr>
<tr>
<td>S</td>
<td>Analog Output pin</td>
</tr>
</tbody>
</table>
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**********
```