

## 1. Feature

- Environment Sensing.
- Soil Moisture Inputs.
- Sensor Feedback.

## 2. Application

- Soil condition monitoring.
- Easy to Use

## 3. Introduction

The Soil Moisture Sensor can be used for detecting the moisture of soil or judge if there is water around the sensor .

Output Value of Sensor:

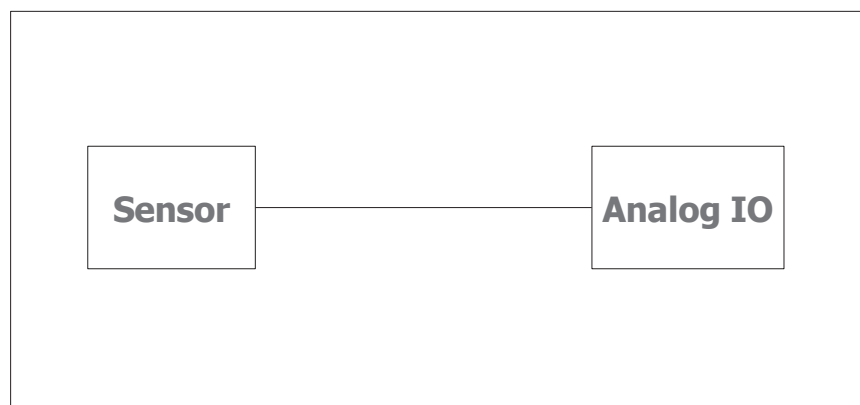
0 ~ 300: Dry soil

300 ~ 700: Moist soil

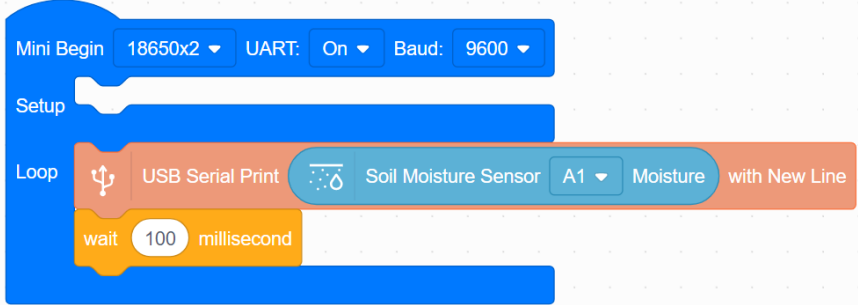
700 ~ 950: Placed in water



## 4. Block Diagram



## 4.Example Code of Block and C++



```

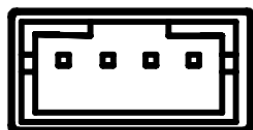
1  #include "MatrixMiniR4.h"
2
3  void setup()
4  {
5      MiniR4.begin();
6      MiniR4.PWR.setBattCell(2);
7      Serial.begin(9600);
8  }
9
10 void loop()
11 {
12     Serial.println(MiniR4.A1.getAIL());
13     delay(100);
14 }
15

```

- After download program into controller, open Serial Monitor to observe.

## 5. Hardware Spec

- Voltage: 3.3v – 5v
- Current: 35mA
- Return Value: 0 - 1024



1 4

JST PH2.0

Pinout-Analog Out			
NO.	Name	I/O	Description
1	AOUT	I	Analog output
2	NC	-	NC
3	5V	O	Supply voltage.
4	GND	-	Supply ground