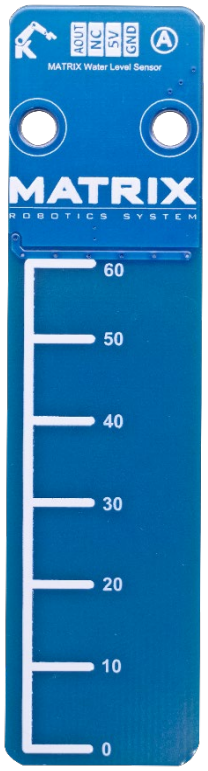
MATRIX Water Level Sensor
MS-014

1.Feature



· High sensitivity.
· Low power consumption.
· Sensor Feedback.

2. Application

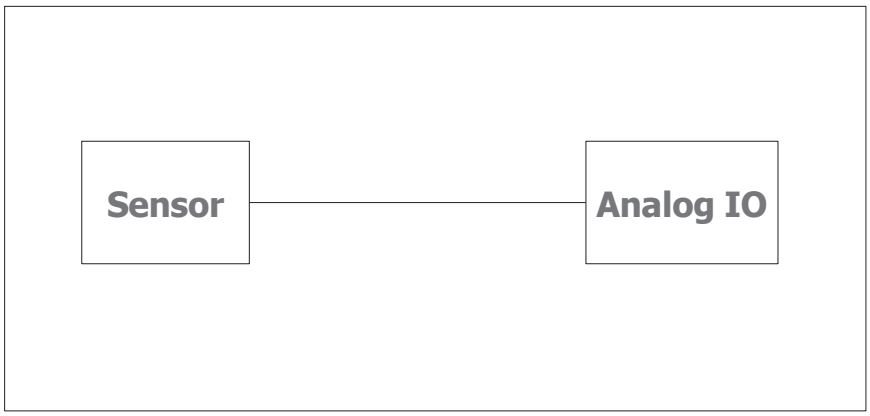
· Rainfall detecting.
· Liquid leakage.

3. Introduction

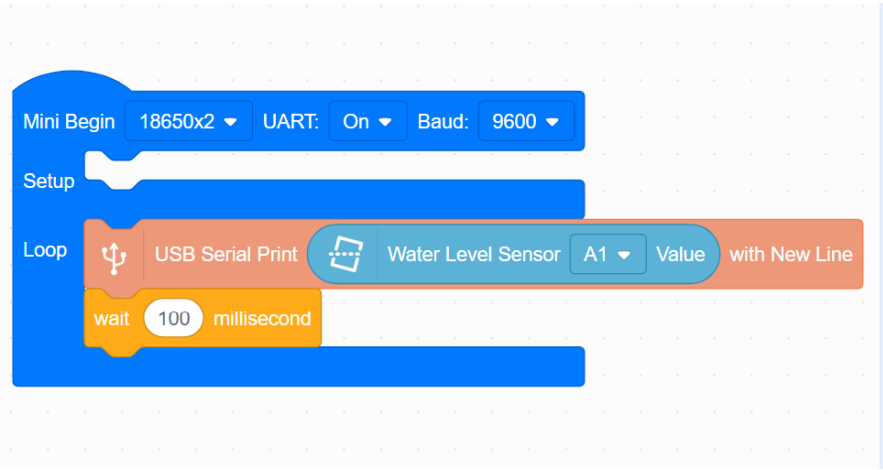
The Water Level Sensor indicates whether the sensor is dry, damp or completely immersed in water by measuring conductivity. **It's not designed to be fully immersed in water.**

Output Value of Sensor:
~=0: Sensor was dry
300 ~ 450: Sensor was partially submerged
>550: Sensor was completely submerged

4. Block Diagram



4.Example Code of Block and C++




```
#include "MatrixMiniR4.h"

void setup()
{
  MiniR4.begin();
  MiniR4.PWR.setBattCell(2);
  Serial.begin(9600);
}

void loop()
{
  Serial.println(MiniR4.A1.getAIL());
  delay(100);

}
```

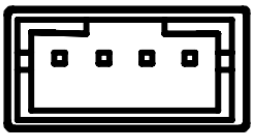
· After download program into controller, open Serial Monitor to observe.

5. Hardware Spec

· Voltage: 3.3v – 5v

· Current: 20mA

· 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