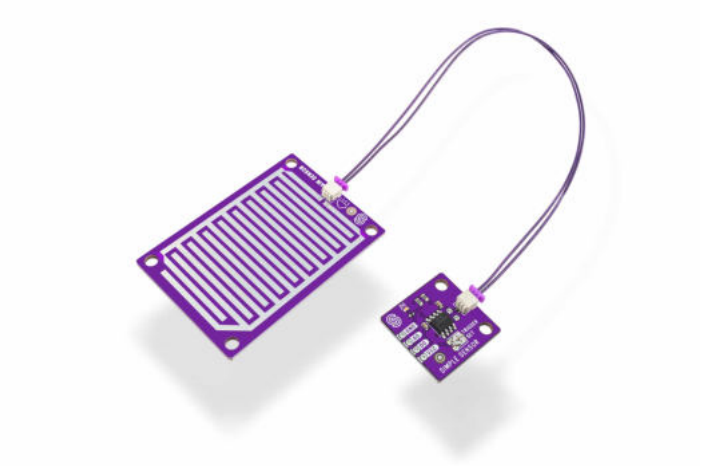
SIMPLE RAIN SENSOR



Weight 13 g

DESCRIPTION

Water is essential for life on Earth. Using water efficiently is very important. With the easy-to-use simple rain sensor, farmers can save water while irrigating their crops. The sensor will alert them to shut down the water supply when it senses rain. It can even act as an automatic on and off switch, like turning on wipers on a car when it senses rain.

This sensor has two pieces – the rain sensor and the simple sensor. The rain sensor has nickel-coated lines on both sides. It measures moisture and outputs the data to the simple sensor that reads it. The simple sensor uses the LM393 differential comparator. The main benefit of this board is ability to give analog and digital output. By setting the potentiometer on the board, you are able to get digital signal at the DO pin when signal crosses certain value, while analog values will be present on the AO pin at all times.

FEATURES

- Logic voltage level: As same as VCC
- Operating voltage: 3V3 - 5V
- Comparator onboard: LM393
- Mounting holes: 4 on the rain sensor, 2 on the simple sensor
- Dimensions: 55 x 38 mm, 22 x 22 mm / 2.2 x 1.5 inch, 0.9 x 0.9 inch

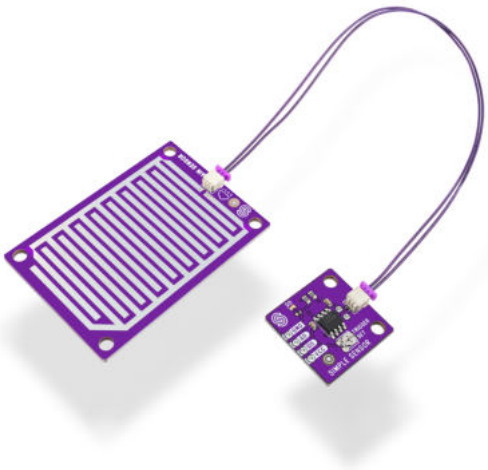
USEFUL LINKS

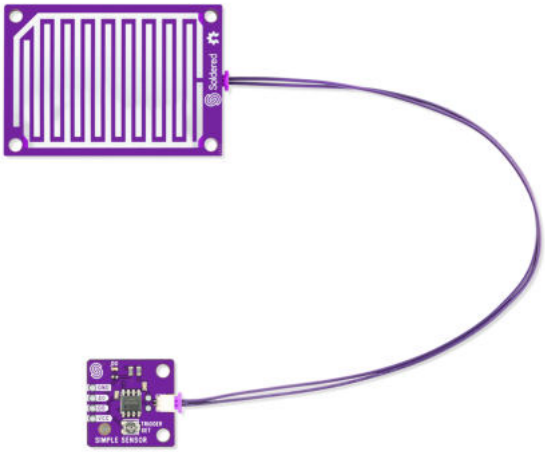
- Arduino library
- Datasheet

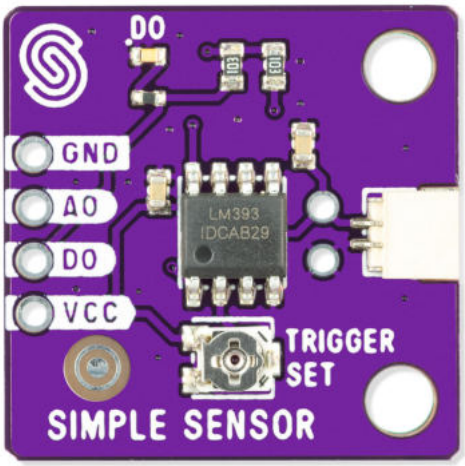
TIPS

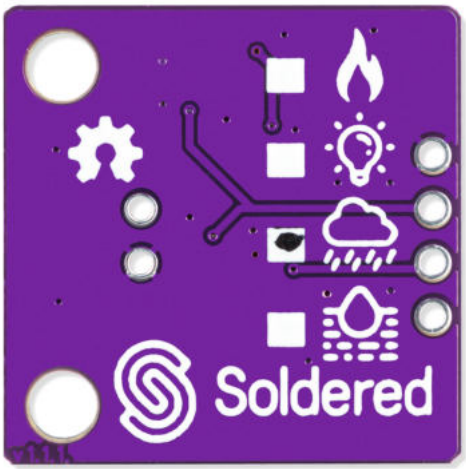
To get the results, connect the GND and VCC on the breakout board to a Dasduino or an Arduino-like device. We recommend using the Dasduino ConnectPlus so you can send the data over Bluetooth or Wi-Fi. You can be notified immediately that way and know to take action if needed. If there are problems while using the sensor, check if both pieces are connected correctly with the JST-SH cable. It should not feel loose at either end. Make sure that the wires going from the sensor to the Dasduino are properly connected. If everything is connected as it should be, go through the code again. There might be some bugs that are stopping the sensor from working. The rain sensor has four mounting holes, while the simple sensor has two. You can attach them to a surface so they don't budge. Due to the anti-conductivity and anti-oxidation properties of the rain sensor, you can use it for a long time.

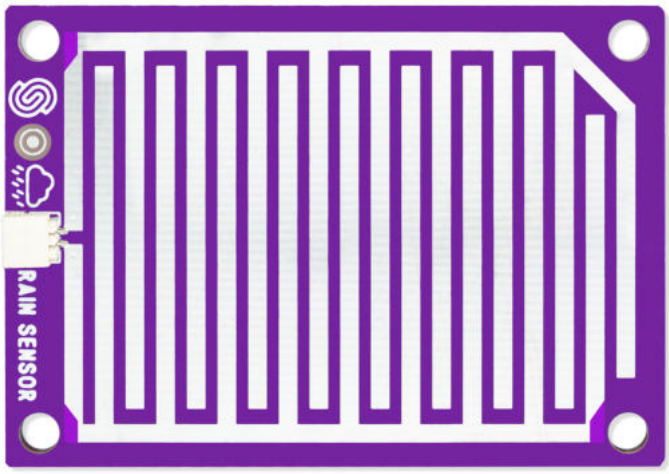
OTHER IMAGES

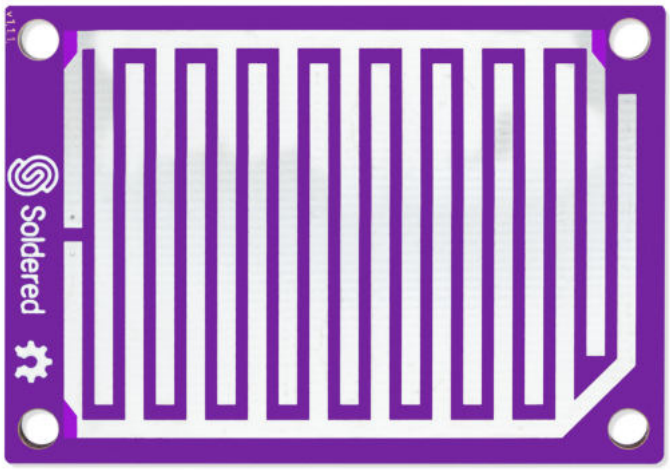












Weight	13 g