



Part Number: SEN0193

Description: Gravity: Analog Capacitive Soil Moisture Sensor- Corrosion Resistant

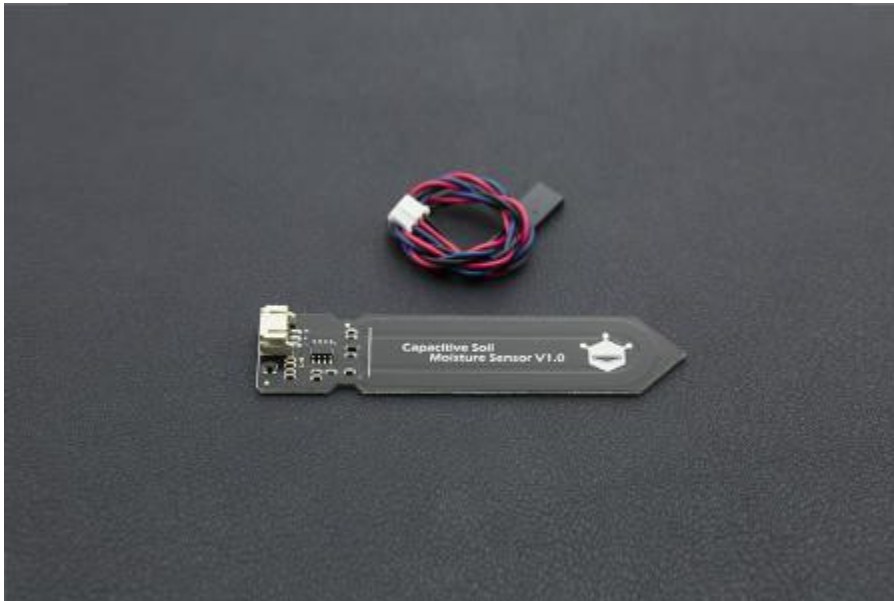
INTRODUCTION

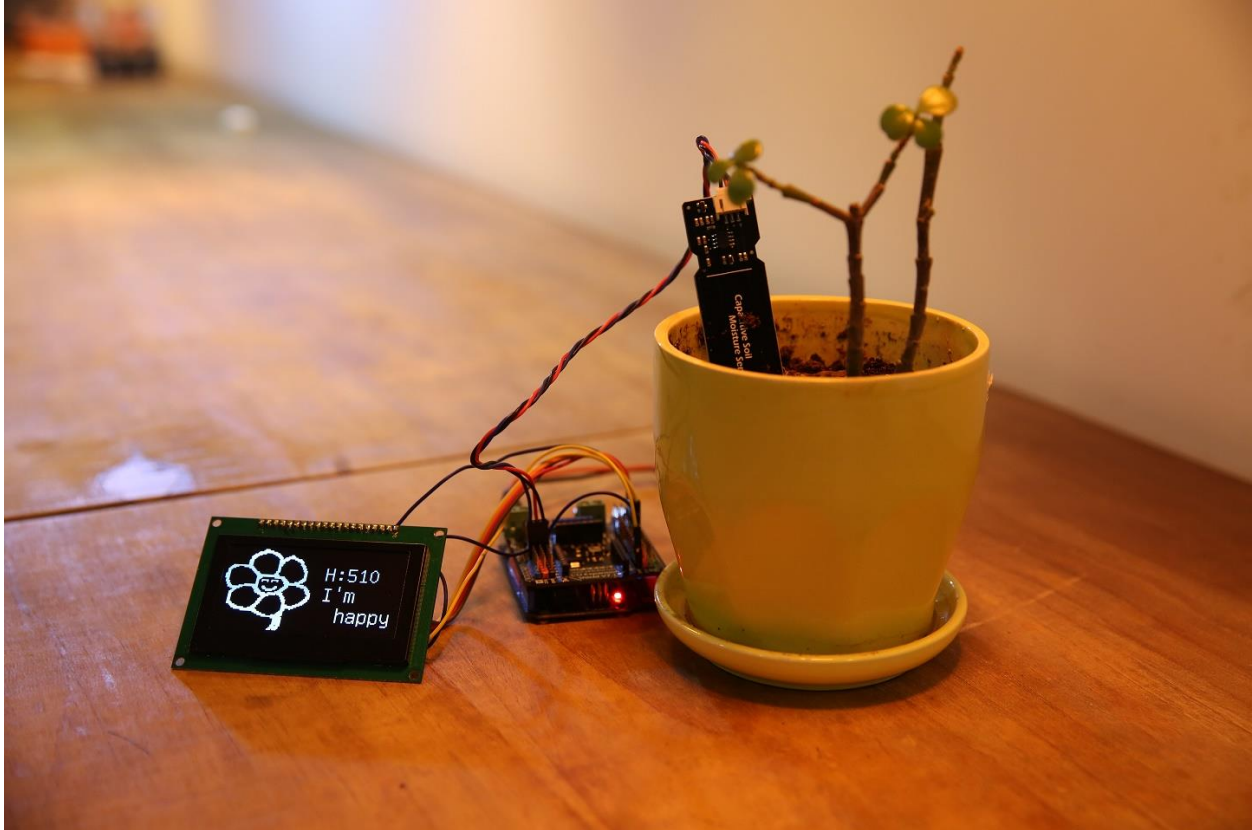
This product measures soil moisture levels by capacitive sensing, rather than resistive sensing like other types of [moisture](#) sensor. It is made of a corrosion resistant material giving it a long service life. Insert it into soil and impress your friends with the real-time soil moisture data!

The product includes an on-board voltage regulator which gives it an operating voltage range of 3.3 ~ 5.5V. It is compatible with low-voltage MCUs (both 3.3V and 5V logic). To make it compatible with a [Raspberry Pi](#), an [ADC](#) converter is required.

This sensor is compatible with our 3-pin "Gravity" interface, which means it can be directly connected to the [Gravity I/O Expansion Shield](#).

The following image shows an example project - a device that notifies you when a plant needs to be watered.





FEATURES

- Supports Gravity 3-Pin Interface
- Analog Output

APPLICATIONS

- Gardening & Farming
- Moisture Detection
- Intelligent Agriculture

SPECIFICATION

- Operating Voltage: 3.3 ~ 5.5 VDC
- Output Voltage: 1.2 ~ 2.5V
- Interface: PH2.0-3P
- Dimension: 98mm * 23mm (3.86in x 0.905in)
- Weight: 15g

SHIPPING LIST

- Capacitive Soil Moisture Sensor x1
- Analog Sensor Cable x1