

## Grove - Capacitive Moisture Sensor (Corrosion Resistant)

SKU 101020614

The Grove - Capacitive Moisture Sensor (Corrosion Resistant) is a soil moisture sensor based on capacitance changes. Compared with resistive sensors, capacitive sensors do not require direct exposure of the metal electrodes, which can significantly reduce the erosion of the electrodes. Hence, we call it **Corrosion Resistant**.

It is important to note that this sensor can only qualitatively test the humidity of the soil and cannot measure quantitatively. Which means when the humidity of the soil rises, the value of the output decreases; conversely, when the humidity decreases, the output value becomes higher.

### Note

We've Released the [Grove Selection Guide](#) and hope to help you find the Grove suit you best.

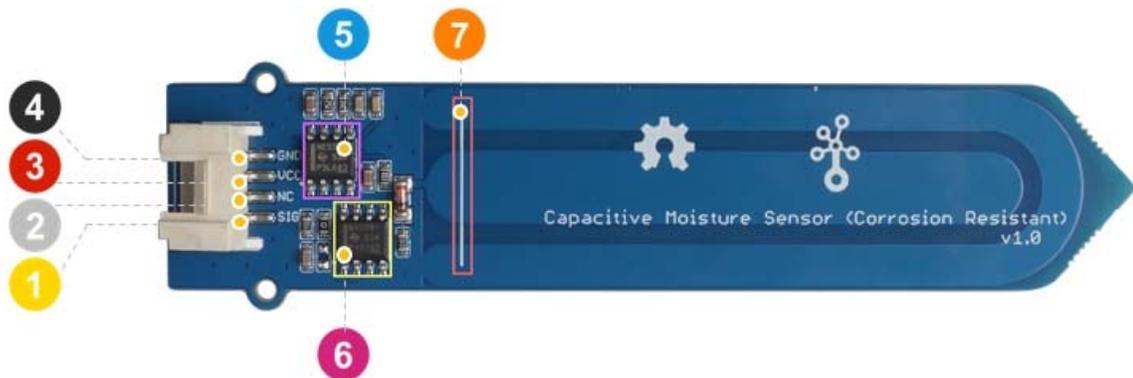
## Feature

- Capacitive Style
- Corrosion Resistant
- Built-in Amplifier

## Typical Applications

- Soil moisture detection
- Automatic watering of plants

## Pin Out

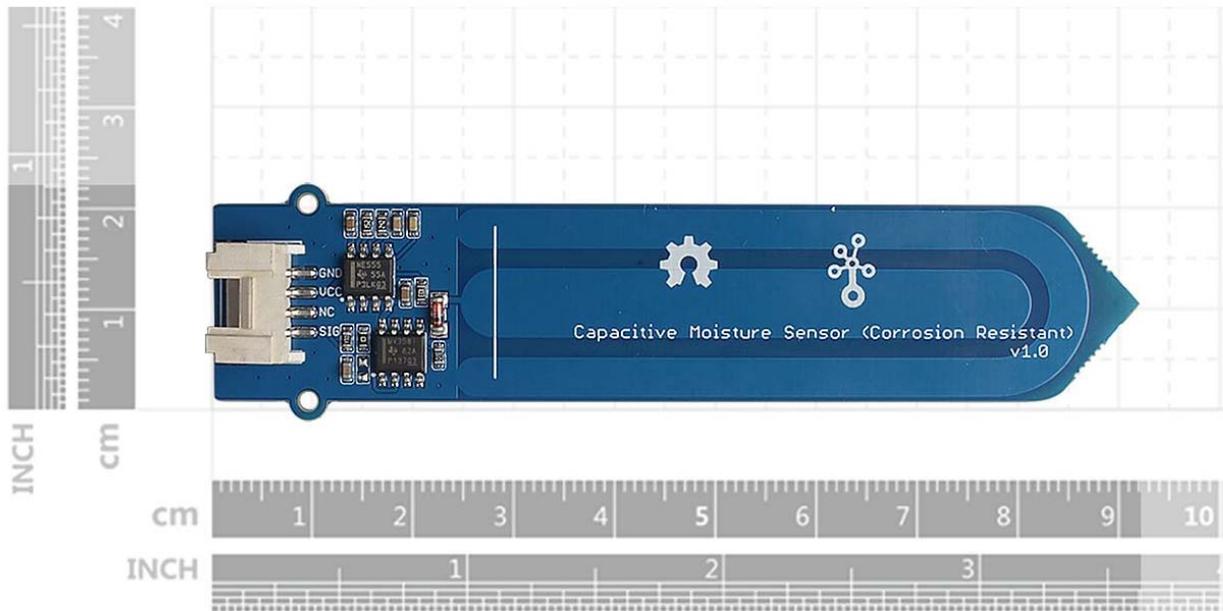


- 4 GND: connect this module to the system GND
- 3 VCC: you can use 5V or 3.3V for this module
- 2 NC: not connected
- 1 SIG: analog output

- 5 NE555DR IC
- 6 LMV358ID IC Operational Amplifier
- 7 Highest position line

## ECCN/HTS

ECCN	EAR99
HSCODE	9025900090
USHSCODE	90230000
UPC	84145412195



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