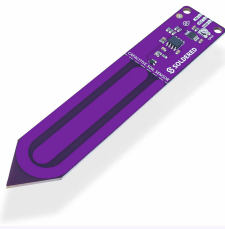


PRODUCT DATASHEET



Capacitive Soil Sensor

333098

The Capacitive Soil Sensor offers accurate moisture readings without oxidation issues, ensuring optimal plant care and easy use.

Full product documentation, files and tutorials: solde.red/333098

CORE ATTRIBUTES

SKU **333098**WEIGHT **10 g**BARCODE **732388668502**

DESCRIPTION

How many times have you watered your plants and feared you overdid it? With the capacitive soil sensor, those worries are a thing of the past!

Most cheap soil sensors work on the resistance principle, where there are two prongs and the sensor measures the conductivity between them. They work fine at first, but eventually begin to oxidize due to the exposed metal. Even if they are gold plated! Due to oxidation, the resistance goes up and up, so you have to constantly recalibrate your code. Also, resistance measurements do not always work in loose soil.

This design with capacitive measurement is superior. Capacitive measurements use only one prong, have no exposed metal, and do not introduce direct current into your plants.

TECHNICAL DETAILS

- **IC:** GS358-SR
- Simple design
- **Dimensions:** 109 × 22 mm / 4.3 × 0.9 inch

SPECIFICATIONS

INTERFACE	Analog
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	Yes
MEASUREMENT TYPES	Soil Moisture
IC PART NUMBER	TLC555

SUPPLY VOLTAGE MIN V	3.3
SUPPLY VOLTAGE MAX V	5.5

LINKS

Full Documentation	https://docs.soldered.com/capacitive-soil-sensor/overview/
Hardware Details	https://docs.soldered.com/capacitive-soil-sensor/hardware/
Pinout	https://docs.soldered.com/assets/images/capacitive-soil-sensor-pinout-0691e6c5a15edc48adf733cc7927c049.png

GALLERY

