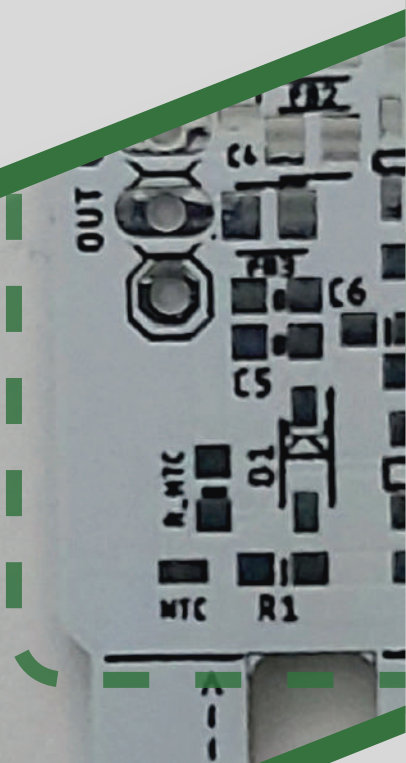


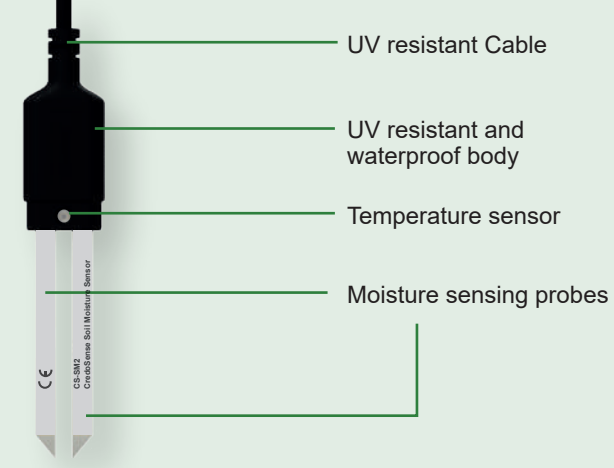
# Soil Moisture Sensor



**CREDOSENSE**

Resilient, Accurate, Affordable

CredoSense uses innovative design and a unique hardware setup to offer fast, reliable, and highly accurate sensor-logger solutions at an extremely affordable price. Our systems are carefully calibrated and tested extensively in diverse environments under various stresses. Our products are manufactured with industry-grade materials suitable for both scientific and industrial applications. We guaranty the highest utility per precious dollar spent.



## CS-SM2 Capacitive Soil Moisture Sensor

The CS-SM2 uses capacitive technology to determine the amount (volume) of water (VWC) stored in a soil profile or irrigation required to reach a desired amount of water in the soil at a very affordable price. The sensors are made of industry-grade materials, ensuring their usability in industrial (e.g., agriculture) and research applications. CS-SM2 sensors are calibrated with utmost care and tested for a wide range of soil worldwide.

### FIELD OF APPLICATION

In applications such as agriculture, irrigation scheduling, greenhouse management, horticulture, precision farming, plant ecology, climate research, soil respiration, and hydrology.

### SPECIFICATION

- Accuracy: ±2.5% typical with most soils (soil solution EC < 10 dS/m). Soil-specific calibration can enhance the accuracy up to ~2%
- Measurement range: VWC 0% to saturation
- Operating temperature: -40°C to +50°C
- Response time: <1s
- Power requirement: 5V DC
- Sensing zone: 6cm radius around the probes

### KEY FEATURES

- Uses high frequency to minimize soil salinity and textural effects.
- Analog output— hassle-free integration with third-party data logger
- Temperature-corrected technology ensures high accuracy
- Wear-free design and engineered to last long
- Small footprint and compact design
- Can be connected used with CredoSense CS-DL824 data loggers
- Available as a self-logging system (CSL-SM2)

We offer upto 10% discounts on all products on top of our already low price for educational institutions in developing countries, STEM education, young researchers, and small-scale farms. Contact [sales@credosense.ca](mailto:sales@credosense.ca) for pricing.

We spend the least on marketing so that you can buy at an affordable price. Please help spread the word.

**Interested in free samples ? Reach us at [sales@credosense.ca](mailto:sales@credosense.ca)**

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