seeed studio

INDUSTRIAL PRODUCT DATASHEET

RS485 Moisture & EC & Temperature sensor for Soil, Substrate, Rockwool, Cocopeat

An IP68 RS485 Substrate Moisture & EC & Temperature sensor, it is an accurate tool for monitoring volumetric water content (VWC), temperature in soil and soilless substrates, and electrical conductivity.

SKU	UPDATED	PRICE
101991241	2026-11-11 09:39:46	$149.00(Excl. VAT)



Overview



An IP68 RS485 Substrate Moisture & EC & Temperature sensor, it is an accurate tool for monitoring volumetric water content (VWC), temperature in soil and soilless substrates, and electrical conductivity. It offers measurement ranges of 0-100% VWC, 0-20,000 µS/cm EC, and -40°C to +80°C. Ideal for use with cocopeat, rockwool, potting soil, and similar substrates, this sensor integrates seamlessly with the SenseCAP S2100 LoRaWAN Data Logger for efficient data collection and management.

Key Features

01 **Suitable for Soil, Rockwool, Cocopeat and Substrate**

Designed for both mineral soils and soilless substrates like rockwool, potting soil, and coco peat, this sensor offers precise, reliable measurements essential for optimizing plant growth.

02 **High Precision and Sensitivity**

The sensor delivers high precision and stable performance in various soil conditions, with stainless steel probes designed to optimize EC measurements and minimize substrate disturbance.

03 **Durable Design for Long-Term Use**

This IP68-rated sensor is built for tough conditions, suitable for long-term monitoring in applications like scientific research, water-saving irrigation, horticulture, and precision agriculture.

04 **Easy Integration and Versatile Application**

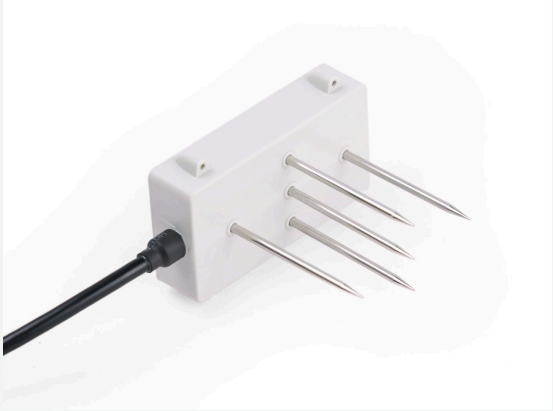
This sensor can be seamlessly integrated with the SenseCAP S2100 LoRaWAN datalogger for efficient data collection and management.

Product Gallery



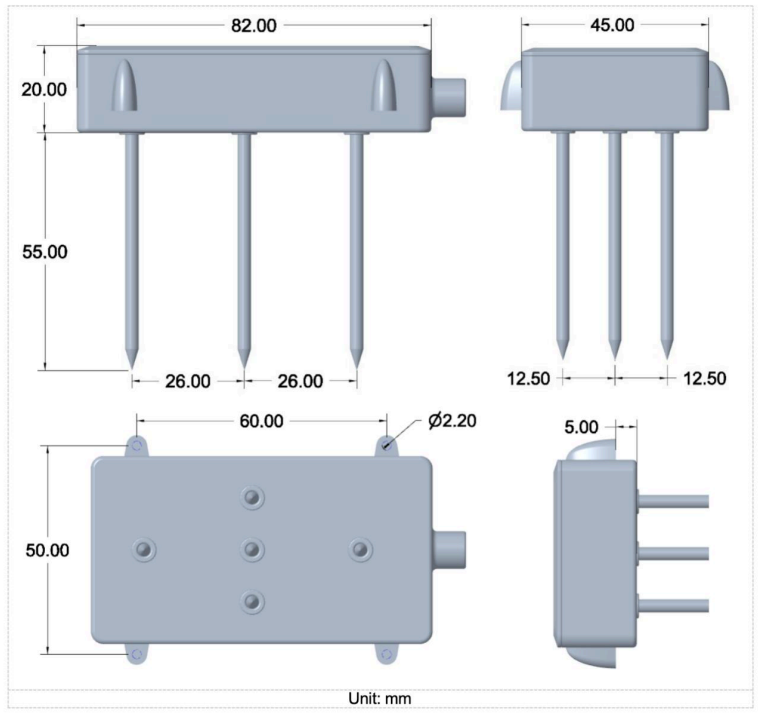








Hardware Overview



Applications

- **Greenhouse: Such as growing blueberries, strawberries and other crops.**
- **Irrigation: Integrated with irrigation system to achieve fully automatic planting management.:** Science Research: Planting research based on soil rockwool, potting soil, coco peat, and other substrate.

Resource Links

- https://www.seeedstudio.com/RS485-Soil-Substrate-Moisture-EC-Temperature-Sensor-p-6246.html
- RS485 Substrate Sensor Datasheet
- Substrate Moisture Sensor Volumetric Water Content User Calibration

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com