seeed studio

INDUSTRIAL PRODUCT DATASHEET

SenseCAP Wireless Soil Temperature, VWC & EC Sensor - LoRaWAN US915 - MT20

SenseCAP Wireless VWC, Temperature and EC Sensor measures soil volumetric water content (VWC), temperature and the electric conductivity of Soil.

SKU	UPDATED	PRICE
101990797	2026-11-11 10:09:02	$259.00(Excl. VAT)



Overview



SenseCAP Wireless VWC, Temperature and EC Sensor measures soil volumetric water content (VWC), temperature and the electric conductivity of Soil. The device consists of a 3-in-1 sensor, a LoRaWAN module, a custom battery and an IP66 enclosure, optimized for outdoor use that requires reliable data collection over years.

Key Features

01 **High Performance**

high accuracy, reliability, and stability

02 **Enables Data Transmission with LoRaWAN**

03 **Compact Design**

3-in-1, soil moisture, temperature, and EC sensor

04 **Industrial-grade Robustness**

IP66 rated, suitable for long-term applications.

05 **Strong Anti-interference**

made of flame-retardant epoxy resin.

06 **High Durability**

anti-corrosion, with excellent performance for long-term use

07 **IP66 Certified**

08 **User-friendly**

easy to use, install and integrate

09 **Support LoRaWAN protocol Class A**

10 **High reliability and stability**

11 **Ultra-wide-distance transmission**

10km in the line-of-sight scene, 2 km in urban scenes

12 **Battery life ≥ 6 years**

Product Gallery

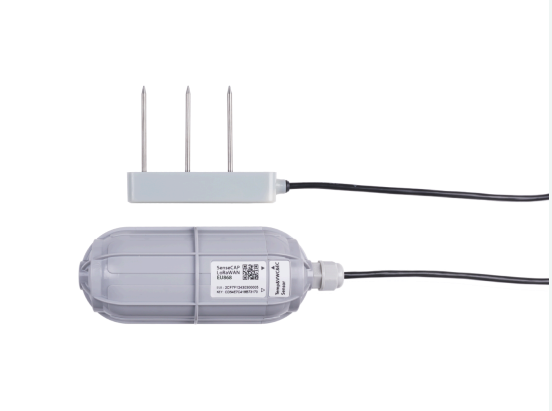












Applications

- **The sensor can be used for different environmental monitoring scenarios some examples are:**
- **water-saving irrigation**
- **gardening**
- **greenhouses**
- **outdoor farming**
- **horticulture**
- **golf turf management,**
- **forestry,**
- **precision agriculture**
- **Besides being used in the soil, the sensor can also be used in water and nutrient solutions.**

Resource Links

- https://www.seeedstudio.com/SenseCAP-Wireless-Soil-Temperature-VWC-EC-Sensor-LoRaWAN-US915-MT20-p-5002.html
- LoRaWAN Gateway and Sensor Catalog

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