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INDUSTRIAL PRODUCT DATASHEET

SenseCAP S700 V2 7-in-1 Compact Weather Sensor

The SenseCAP S700 V2 7-in-1 Compact Weather Sensor delivers 7-in-1 environmental measurement in a rugged IP66 outdoor design for smart agriculture, smart city, and industrial applications.

SKU	UPDATED	PRICE
101991022	2026-11-05 04:35:00	$699.00(Excl. VAT)



Overview



The SenseCAP S700 V2 7-in-1 Compact Weather Sensor measures air temperature, relative humidity, barometric pressure, light intensity, precipitation intensity, wind speed, and wind direction in a single industrial-level sensor with an IP66-rated waterproof and dustproof design. It features RS485 (MODBUS-RTU)/SDI-12 output, a thermostatically-controlled heating system, radiation shields, and ultrasonic wind sensors without moving parts, making it suitable for smart agriculture, smart city, power transmission, renewable energy, and transportation applications.

Key Features

01 **7 parameters measurement**

Measures air temperature, relative humidity, barometric pressure, light intensity, precipitation intensity, wind speed, and wind direction in 1 single sensor

02 **Industrial-level design**

-40°C to +85°C operating temperature, IP66 rated: waterproof, and dustproof, suitable for outdoor scenarios

03 **Output interface**

RS485 (MODBUS-RTU) / SDI-12

04 **Thermostatically-controlled heating system**

Independent heating power supply for use in extremely cold environments

05 **Powerful Components Included**

A 3m cable for the pole mount; radiation shields are equipped to ensure accurate ambient measurement; ultrasonic wind speed & direction sensors without moving parts

06 **High-performance Guarantee**

07 **Wind tunnel for wind calibration**

08 **High-Low Temperature Test - determine performance under adverse temperature conditions.**

09 **Structural Test - whether the collected values of multiple devices are consistent**

10 **x-y-z vibration test**

11 **Waterproof and air tightness test**

12 **R&D and Production Test - to test the pass rate of multiple devices under factory conditions**

Product Gallery







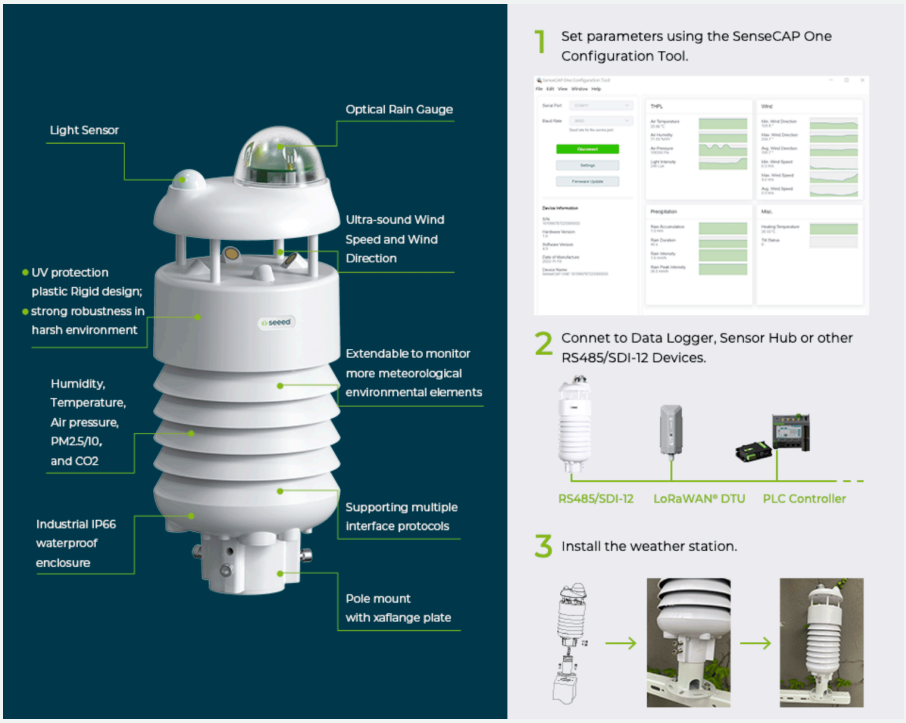








Hardware Overview



Applications

- **Smart Agriculture**
- **Smart City**
- **Power Transmission**
- **Renewable Energy**
- **Transportation and Traffic**

Resource Links

- https://www.seeedstudio.com/SenseCAP-S700-7-in-1-Compact-Weather-Station-p-5651.html
- SenseCAP ONE/SenseCAP ONE V2 Compact Weather Station User Guide
- SenseCAP Weather Sensor Catalogue
- SenseCAP Weather Station Power Consumption Table
- SenseCAP Sensor Hub Catalog (Data Logger & Sensor Probes)
- SenseCAP Document Center
- Resource

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