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INDUSTRIAL PRODUCT DATASHEET

SenseCAP ONE S500 5-in-1 Compact Weather Sensor

S500 5-in-1 Weather Sensor measures air temperature, relative humidity, barometric pressure, wind speed, and wind direction (ultrasonic).

SKU	UPDATED	PRICE
101990693	2026-11-11 10:11:12	$1499.00(Excl. VAT)



Overview



S500 5-in-1 Weather Sensor measures air temperature, relative humidity, barometric pressure, wind speed, and wind direction (ultrasonic). It is ideal for application in a rough environment like outdoor, agriculture, or smart cities. Use it with SenseCAP LoRaWAN Data Loggeror SenseCAP 4G Data Logger.

Key Features

01 **5 parameters to measure**

air temperature, relative humidity, barometric pressure, wind speed, and wind direction

02 **Embedded with the electronic compass / magnetometer**

enabling easy installation and you can choose to disable the electronic compass while orienting to the North manually.

03 **3m cable are included in the package for the pole mount**

04 **IP66 rated**

waterproof, and dustproof, suitable for outdoor scenarios

05 **Integrated heaters that can be switched on in extreme weather**

06 **Ultrasonic wind speed & direction sensors without moving parts**

07 **Radiation shields are equipped to ensure accurate ambient measurement.**

08 **Supported interface**

RS 485 (MODBUS-RTU) / 232 / 422 (Modbus) / SDI-12

09 **Calibrated and maintenance-free**

10 **CE and FCC certified**

Product Gallery







Applications

- Smart Agriculture
- Smart City
- Smart Buildings
- Transportation and Traffic
- Smart Industry
- Weather Monitoring

Resource Links

- https://www.seeedstudio.com/SenseCAPONE-S500-5in1-Compact-Weather-Sensor-p-4880.html
- SenseCAP Sensor Hub Catalog (Data Logger & Sensor Probes)
- SsenseCAP Weather Sensor Catalogue
- SenseCAP Document Center
- SenseCAP ONE/SenseCAP ONE V3 Compact Weather Station User Guide
- Resource

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