seeed studio

INDUSTRIAL PRODUCT DATASHEET

SenseCAP ORCH S4 4-In-1 Weather Sensors (A1B), Air Temperature/Humidity/Atmosph Pressure/Light - with waterproof aviation connector

SenseCAP ORCH S4 is a four-in-one weather sensor monitoring parameters of air temperature, humidity, barometric pressure, and light intensity.

SKU	UPDATED	PRICE
101990662	2026-11-11 10:11:14	$189.00(Excl. VAT)



Overview



SenseCAP ORCH S4 is a four-in-one weather sensor monitoring parameters of air temperature, humidity, barometric pressure, and light intensity. It supports both MODBUS (MODBUS-RTU/MODBUS-ASCII) and SDI-12 and a wide range of power voltage from 3.6V to 16V. With strong robustness, it can operate in extremely complicated environments and is particularly suitable for IoT scenarios such as greenhouse and outdoor farming.

Key Features

01 **Solid Performance**

High reliability, superior stability, and ultra-low power consumption

02 **3-in-1 Sensor**

Measures air temperature, humidity, barometric pressure, and light in 1 single sensor

03 **Universal Protocols**

MODBUS RS-485 or SDI-12

04 **Wide Range Power Supply**

Can be powered with supply voltage within 3.6V ~ 16V

05 **Strong Robustness**

IP66 enclosure, suitable for outdoor applications and extremely complicated environment

06 **User-friendly**

Easy to integrate and install with build-in data pre-processing

Product Gallery



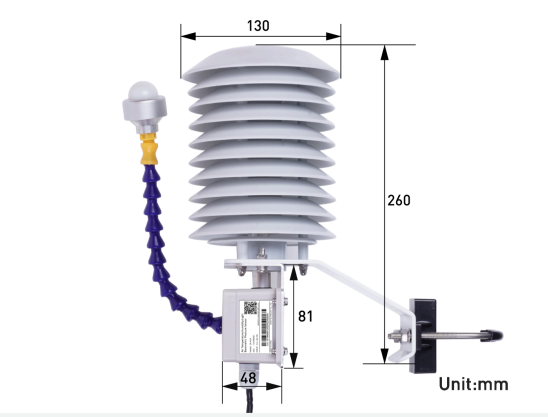




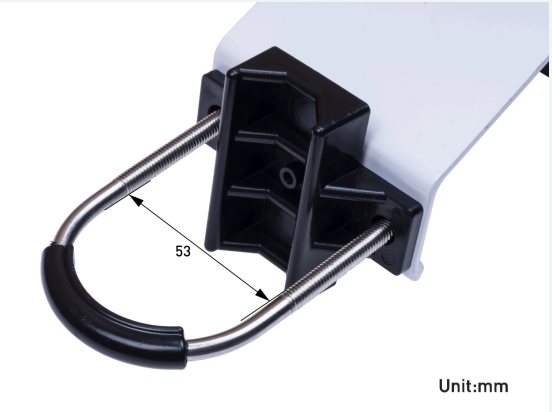












Applications

- Smart Agriculture
- Greenhouse
- Smart Industry
- Smart Cities
- Environmental Monitoring
- Other IoT Sensor Applications

Resource Links

- https://www.seeedstudio.com/ORCH-S4-A1B-p-4856.html
- SenseCAP ORCH S4 User Guide v1.1
- SenseCAP ORCH S4 Specifications & Datasheet
- SenseCAP Sensor Hub Catalog (Data Logger & Sensor Probes)
- SenseCAP Document Center

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