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INDUSTRIAL PRODUCT DATASHEET

RS485 Air Temperature, Humidity and Barometric Pressure Sensor(S-THP-01A)

An IP56 RS485 Air Temp, Humi and Barometric pressure sensor has a wide operating range of 0-100% RH, -40 to 125°C, and 300-1100 hPa.

SKU	UPDATED	PRICE
101991101	2026-11-11 09:46:52	$55.00(Excl. VAT)



Overview



An IP56 RS485 Air Temp, Humi and Barometric pressure sensor has a wide operating range of 0-100% RH, -40 to 125°C, and 300-1100 hPa. It is ideal for applications such as smart agriculture, weather monitoring, calculating evapotranspiration, mold prevention and more. By integrating this sensor with the SenseCAP S2100 Data Logger, users can achieve seamless data collection and management.

Key Features

01 **High Performance**

High accuracy, fast response, good repeatability

02 **3 in one sensor**

Humidity/Temperature sensor and BOSH barometric sensor

03 **Based on the data directly measured by the sensor, relevant common meteorological parameters can be calculated including vapor pressure, dew point, frost point, absolute humidity, vapor density, cloud base height and altitude.**

04 **Universal Protocol**

RS485 communication interface with surge protection

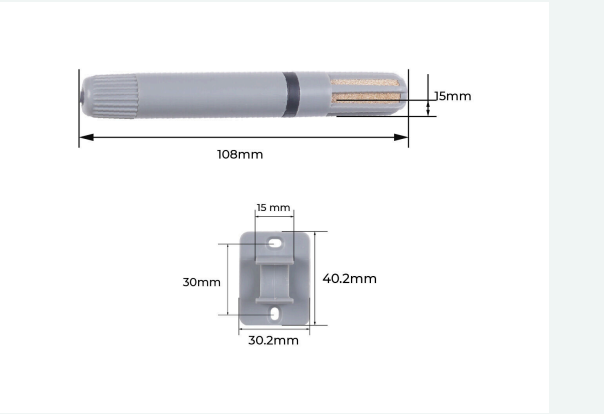
05 **Reverse power protection and**

Built-in TVS/ESD protection

Product Gallery









Applications

- Smart agriculture
- Canopy monitoring
- Reference evapotranspiration calculation
- Routine weather monitoring
- Indoor and outdoor environment monitoring
- Modeling processes influenced by vapor pressure or humidity
- Prevention and control of mold and Other environmental monitoring scenarios.

Resource Links

- https://www.seeedstudio.com/RS485-Air-Temperature-Humidity-and-Pressure-Sensor-p-5801.html
- Datasheet

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