

Sensorbee Precision Temperature & Humidity Sensor with Solar Shield

Redefining environmental precision, the Sensorbee Precision Temp & Humidity Sensor with Solar Shield combines laboratory-grade temperature, humidity, and barometric pressure sensing into a single, ultra-low power unit. Its advanced 3-in-1 probe is housed within a double-helix solar shield, utilizing a unique spiral airflow design to reject dirt and sand while eliminating solar heating errors without the need for fans. With Class A temperature accuracy ($\pm 0.2^{\circ}\text{C}$) and a robust RS-485 Modbus interface, it seamlessly integrates with Sensorbee systems to deliver WMO-compliant meteorological data in the harshest climates.



SB3104 - Sensorbee Wind & Rain Combo Sensor



Temperature range:

-40 to 105 °C



Temperature Accuracy:

$\pm 0.1^{\circ}\text{C}$ (0...65 °C)
 $\pm 0.2^{\circ}\text{C}$ (-45...65 °C)



Relative Humidity Range:

0 to 100%



Relative Humidity Accuracy:

$\pm 1.5\%$ RH at 25 °C Hysteresis $\pm 0.8\%$



Barometric Pressure Accuracy:

± 0.5 hPa (0...55 °C)



Response Time:

4 to 30 s



Dimensions:

330 x 65 x 230 mm



Weight:

500 gram



Operating Temperature:

-40 °C to +105 °C



Operating Humidity:

0 to 100 %RH



Module Operational Life:

> 2 Year



Mounting bracket

universal wall / pole bracket
2x metal hose clamp included