SERRATA
INSTRUMENTS

Outdoor Sensor
Humidity - Temperature - Atm. Pressure

PRODUCT INFO

PRODUCT NAME
Outdoor Humidity, Temperature and Atmospheric Pressure Sensor

PRODUCT CODE
HPT-O-330-A

PRODUCT CATEGORY
Environmental Sensors

PRODUCT PRICE
Talk with a Serrata Instruments Reseller

APPLICATION GUIDELINES

Our Outdoor Meteorological Sensor is designed to measure Relative Humidity, Temperature, and Atmospheric Pressure in various environmental conditions. With its robust construction, it is ideal for applications such as weather monitoring stations, agriculture. The sensor's durable design ensures reliable performance even in harsh outdoor environments, providing precise data to support effective decision-making.
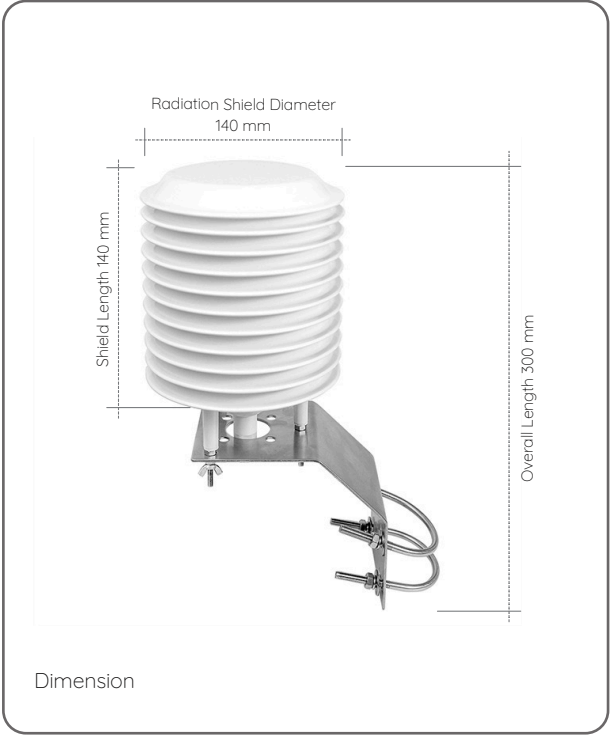
COVERS MOST METEOROLOGICAL APPLICATIONS WITH COST-EFFECTIVE SOLUTION

For optimal performance, the sensor is designed to withstand outdoor conditions, including direct exposure to rain and varying temperatures. Its robust construction ensures reliable measurements in affordable cost without the need for additional protection. Integration with data loggers and remote monitoring systems is straightforward, allowing for continuous and real-time data acquisition.

Dimension

KEY FEATURES PRODUCT

INTEGRATION AVAILABILITY

● HPT-O-330-A has 3 x 4-20 mA analog output

ROBUST DESIGN

● Suitable to use outdoor meteorological environments

CHARACTERISTIC FEATURES

● Stable Measurement, cost-effective

APPLICATION USAGE

● Agriculture, Greenhouse and other similar

INFORMATION	HPT-O-330-A
Measuring Range (Typical)	0-100 %rH / -40.....+60 ℃ / 500.....1100 mBar
Accuracy	±3 %rH / ±0.5 ℃ / ±1 mBar
Resolution	0.5 %rH / 0.1 ℃ / 0.1 mBar
Operating Temperature	-40.....+60 ℃
Output Signal	3 x 4-20 mA (minuses are common)
Power	12...24 Vdc
Radiation Shield	Standard 11 plates
Housing Material and Protection	Anti-UV ABS plastics - IP65
Mounting Accessories (included)	Metal bracket (304 SS), 2 x Hoop screw (diameter:60 mm)
Cable	Integrated, 5 meters