



Rugged & Accurate Measurement Atmospheric Temperature, Humidity & Pressure Sensor

Overview

BS330-01 Atmospheric Temperature, Humidity and Pressure Sensor is a Professional measurement of air temperature, relative humidity & barometric pressure. Sensors are build-in the water proof and anti-UV shelter. It is widely used in agriculture, forestry, meteorology, as well as a climate chamber, warehousing and other places.

This model also can be equipped with 11 Plates radiation (BS-95) to protect the sensors from solar radiation and rain.

Features

- ✓ High Sensitivity
- ✓ Fast Response Time
- ✓ Long Service Life
- ✓ Low Consumption
- ✓ Good Quality of Output
- ✓ High Temperature and High Humidity Environment for Long Term Use
- ✓ Can Integrate Temperature Humidity Air Pressure at the Same Time

Applications

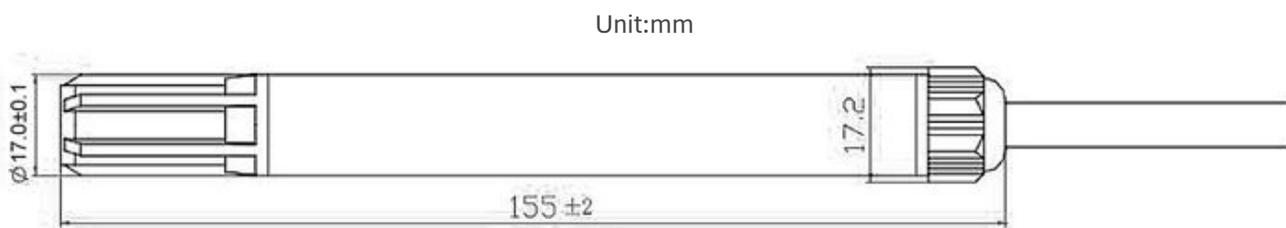
- ✓ Environment Monitoring
- ✓ Livestock Farm
- ✓ Storage
- ✓ Forestry
- ✓ Greenhouse
- ✓ Agriculture

Technical Specifications

Item	Technical Specification		
	Temperature	Humidity	Pressure
Range	-40°C ~ 60°C	0 ~ 100%RH	10~110kPa (100~1100hPa)
Resolution	0.1°C	0.5%RH	0.1hPa
Accuracy	±0.5°C	±3%RH	±1hPa
Supply	5VDC, 12 ~ 24VDC		
Output Signal	4 ~ 20mA, 0 ~ 5V, 0-10V, RS485 (MODBUS), IIC ^①		
Current Consumption	<20mA		
Operating Temperature	-40°C ~ 80°C		
Ingress Protection	IP65		
Storage	10°C ~ 60°C @ 20% ~ 90%RH		
Weight (Unpacked)	120g		
Probe Material	ABS		
Radiation Shield (Optional)	BS95-01, 11 Plates		

① Analog output only is proper for one or two measurement parameters

Dimension



Mounting

- ✓ Install the product in stable environment area, avoid direct sunlight, away from windows air-conditioning, heating and other equipment. Otherwise it will cause measurement inaccuracies.
- ✓ Fixing rail is optional.
- ✓ If you use indoor, recommends clamp to install.



Parameter Selection Table

Remark	Series	Type	Parameter	Output	Accessory	Cable Length	
BS							
	330						
		01					
			A				Temperature & Humidity
			B				Temperature, Humidity, Pressure
			C				Temperature
			D				Humidity
				A			4 ~ 20mA
				B			0 ~ 5V
				C			0 ~ 10V
				D			RS485
				E			IIC
				F			SDI ~ 12
					A		
					B		With Clamp
					N		Without Any Accessory
						3000	Units: mm
						...	Units: mm

Example: BSRK330-01AAN3000, Parameter: Temperature and Humidity, Output: 4 ~ 20mA Without any Accessory, Cable Length: 3m.

For comprehensive details, visit: www.buraq.com/BS330-01 



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