



High Accuracy & Good Stability Paste Type Temperature Sensor

Overview

The **BS220-01 Paste Type Temperature Sensor** utilizes a high-precision thermistor as its sensing element, ensuring excellent accuracy and stability. It features a built-in signal conversion module capable of outputting temperature data as voltage, current, or RS485, depending on system requirements.

Designed to be compact and easy to install, the sensor offers reliable performance with strong linearity, high load capacity, long-distance signal transmission, and robust anti-interference capabilities.

Features

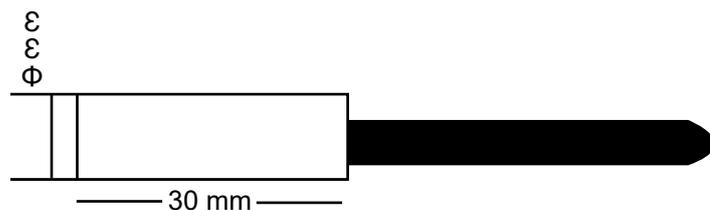
- ✓ Strong Corrosion Resistant Ability
- ✓ High Accuracy
- ✓ Wide Range, Good Stability
- ✓ Various Output Signals Optional
- ✓ High Temperature Resistant Adhesive
- ✓ Convenient Installation
- ✓ Easy Installation

Applications

- ✓ Weather Monitoring Stations
- ✓ Contact Temperature Measurement
- ✓ Ports
- ✓ Solar and Wind Power Generation
- ✓ Mobile Weather Monitoring Vehicles

Dimension

Probe: 8*8*30mm



Technical Specifications

Item	Specifications			
Range	-50 ~ 100°C, -20 ~ 50°C			
Supply Voltage	5VDC, 12-24VDC			
Accuracy	±0.5°C			±0.3°C
Output	4 ~ 20mA	0 ~ 5V	RS485	PT100/PT1000 3-Wires
Load Capacity	≤250Ω	≥1K		
Ingress Protection	IP65			
Operating Temperature	Probe: -50°C ~ 120°C Conversion Module: 40°C ~ 85°C			
Weight (Unpacked)	Probe: 85g			
Transmitter Module Dimension	98*66*49mm or Φ25*120mm			
Storage Condition	10°C ~ 60°C @ 20% ~ 90%RH			
Surface Mount Adhesive	Attached			

Parameter Selection Table

Remark	Series	Type	Supply	Output	Range	Cable Length	
BS							
	220						
		01					
			A				5V
			B				
			C				12 ~ 24V
			X				Other
				A			4 ~ 20mA
				B			0 ~ 5V
				C			PT100
				D			PT1000
				E			RS485
				X			Other
					A		-50 ~ 100°C
					B		-20 ~ 50°C
					X		Other
						10000	Units: mm(typ.)
						...	Units: mm

For comprehensive details, visit: www.buraq.com/BS220-01



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