

# RK220-01 Paste Type Temperature Sensor

RK220-01 Paste Type Temperature Sensor adopts high precision platinum resistance (PT100) as the sensing component. It is with high accuracy, good stability. The signal conversion module can convert temperature to corresponding voltage, current or RS485 optionally. RK220-01 Past type temperature sensor is compact, easy-to-install, with good linearity, strong load capacity, long transmission distance and good anti- interference ability.

## FEATURES

- Strong corrosion resistant ability
- High accuracy
- Wide range, good stability
- Various output signals optional
- With high temperature resistant adhesive, convenient installation
- Easy Installation



## APPLICATIONS

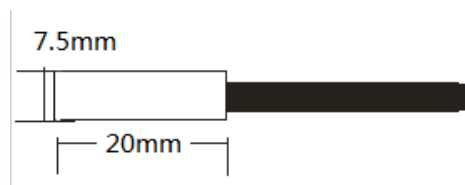
- Weather monitoring stations
- Contact temperature measurement
- Ports
- Solar and wind power generation
- Mobile weather monitoring vehicles

## 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	≤250 Ω	≥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			

## DIMENSION

Probe: 7.5\*3.5\*20mm



## PARAMETER SELECTION TABLE

Remark	Series	Type	Supply	Output	Range	Cable Length	
RK							
	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
						5000	Units:mm(typ)
						...	Units:mm

Example: RK220-01CAA10000 Supply:12-24V,Output:4-20mA,Range: -50-+100°C,Cable Length:5m.



Complies with applicable CE directives.

Specifications subject to change without notice. Version 2.0

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