

RK220-01 Paste type temperature sensor adopts high precision platinum resistance (PT100 Class A, complies with IEC751) 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. RK220-01 complies with the regulations of IEC 61724 on PV module temperature sensors.

FEATURES

- 304SS probe, strong corrosion resistant ability
- High accuracy
- Wide range, good stability
- With high temperature resistant adhesive, convenient installation
- Easy Installation



APPLICATIONS

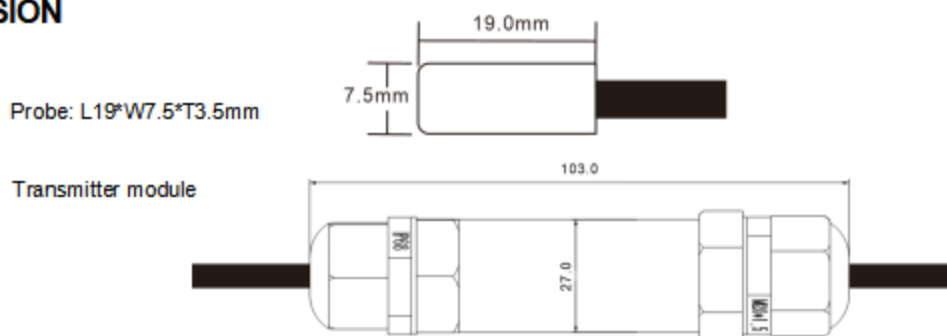
- Solar and wind power generation
- Weather monitoring stations
- Contact temperature measurement
- Ports
- Mobile weather monitoring vehicles

SPECIFICATIONS

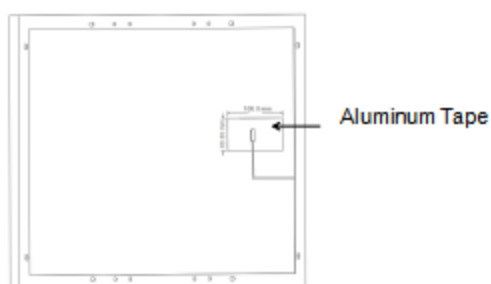
Item	Specifications			
Range	-50~+100°C, -20~+50°C			
Supply Voltage	5VDC, 12-24VDC			
Accuracy	±0.5°C			±0.3°C
Output	4-20mA	0-5V	RS485	PT100/PT1000 3-wires
Load Capacity	≤250Ω	≥1K		
Power consumption	≤8mA, 0.1W(12V)			
Ingress Protection	IP67			
Operating Temperature	Probe: -50°C~+120°C Conversion module: -40°C~+85°C			
Sensor	PT100 Class A			
Probe	304SS			
Weight(unpacked)	Probe: 85g			
Transmitter module dimension	Φ27*103mm			
Storage Condition	10°C-60°C@20%-90%RH			
Thermal grease	Attached			
Aluminum tape	Attached			

RK220-01 Paste Type Temperature Sensor

DIMENSION



MOUNTING



Installation on the back of the photovoltaic panel

Ensure full contact between the sensor and the photovoltaic panel, with good thermal conductivity

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℃
					B		-20~+50℃
					X		Other
						5000	Units:mm(typ)
						...	Units:mm

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

Revision time	Reviser	Current Version	Remarks
20250402	Lee	V5.0	