

RK310-01 Atmospheric Temperature Sensor is produced with precision platinum resistance(PT100,PT1000) as the sensing element, and the platinum resistance located in the probe head where is done with overall seal to ensure the accuracy. If need, this model also can be equipped with 11 plates radiation shield(RK95-01/02) to protect the sensors from solar radiation and rain.

FEATURES

- ☐ High Sensitivity
- ☐ Fast response time
- ☐ Compact in size
- ☐ Easy installation
- ☐ Good stability of output

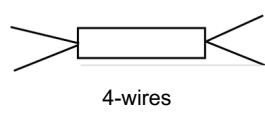
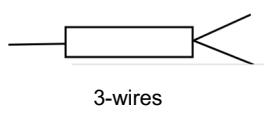


APPLICATIONS

- ☐ Environmental monitoring
- ☐ Livestock farm
- ☐ Storage
- ☐ Forestry
- ☐ Greenhouse
- ☐ Agriculture

TECHNICAL SPECIFICATION

Item	Technical Specification
Range	-50-+150°C(only sensor)
Accuracy(IEC751/EN60751)	PT100/1000 Class A
Output Signal	PT100/PT1000(3-wire or 4-wires,default 3-wires)
Operating Temperature	-40°C-+85°C
Ingress Protection	IP67
Storage	10-60°C@20%-90%RH
Probe material	304ss
Cable material	Teflon skin with metal shielding net or Silicone
Dimension(probe)	Φ6*50mm
Radiation Shield(optional)	RK95-01 11 plates



PARAMETER SELECTION TABLE

Remark	Series	Type	Element	Wires	Probe	Accessory	Cable Length	
RK								
	310							
		01						
			A					PT100 classA
			B					PT1000 classA
			C					Customization
				A				3-wires
				B				4-wires
				X				Other
					A			Φ6*50mm(default)
					X			Other
						A		With radiation shield
						N		Without any accessory
							2000	Units:mm (typ.)
							3000	Units:mm
							...	Units:mm

Example: RK310-01AAAA2000 Element:PT100 class A, Wires:3-wires, Probe: Φ 6*50mm,Withoutanyaccessory CableLength:2m.



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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