

RK330-01B Atmospheric RTD Temperature, Humidity & Pressure Electronic Sensor is a professional of air temperature, relative humidity & barometric pressure. Sensors are built-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 shield(RK95-01) to protect the sensors from solar radiation and rain.

## FEATURES

- According for WMO NO:8 I,III (2018)
- Fast response time
- Long service life
- Low consumption
- Good stability of output
- High RTD temperature & high humidity environment for long-term use
- Can integrated temperature humidity air pressure at the same time



## APPLICATIONS

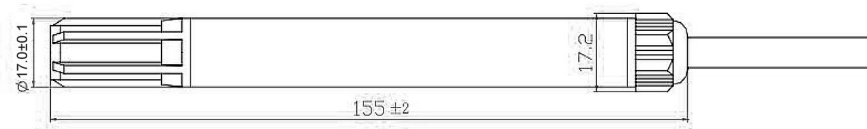
- Environmental monitoring
- Livestock farm
- Storage
- Forestry
- Greenhouse
- Agriculture

## TECHNICAL SPECIFICATION

Item	Technical Specification		
	RTD Temperature	Humidity	Pressure
Range	-40-60°C	0-100%RH	500-1100hPa
Resolution	0.1°C	0.5%RH	0.1hPa
Accuracy	±0.1°C	±1%RH	±0.1hPa@25°C
Supply	5VDC, 12-24VDC		
Output Signal	4-20mA,0-5V,0-10V,RS485(MODBUS),IIC <sup>Ⓞ</sup>		
Current Consumption	<20mA		
Operating Temperature	-40°C-+80°C		
Ingress Protection	IP65		
Storage	10-60°C@20%-90%RH		
Weight(unpacked)	120g		
Probe material	ABS		
Radiation Shield(optional)	RK95-01, 11 plates		

<sup>Ⓞ</sup>Analog output only is proper for one or two measurement parameters.

## DIMENSION



Unit:mm

## MOUNTING

1. 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.
2. Fixing rail is optional.
3. If you use indoor, recommends clamp to install, as shown on the right picture.



## PARAMETER SELECTION TABLE

Remark	Series	Type	Parameter	Output	Accessory	Cable Length	
RK							
	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 (typ)
						...	Units:mm

Example: RK330-01AAN3000    Parameter: temperature & humidity    Output: 4-20mA    Without any accessory    Cable Length:3m.



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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