

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

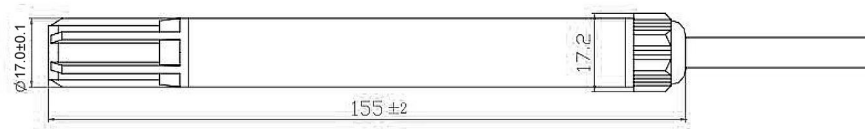
- Environmental monitoring
- Livestock farm
- Storage
- Forestry
- Greenhouse
- Agriculture

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 [Ⓞ]		
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		

Ⓞ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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