

RK330-01 Atmospheric Temperature, Humidity & Pressure Sensor is a professional measurement 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

- High Sensitivity
- Fast response time
- Long service life
- Low consumption
- Good stability of output
- High temperature and 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		
	Temperature	Humidity	Pressure
Range	-40-60°C	0-100%RH	10-110kPa(100-1100hPa)
Resolution	0.1°C	0.5%RH	0.1hPa
Accuracy	±0.5°C	±3%RH	±1hPa
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.





WELKO Av. Providencia 2330, Of. 63  
 +56 9 3174 3870 / +56 9 3427 0017  
[ventas@welko.cl](mailto:ventas@welko.cl) - [www.welko.cl](http://www.welko.cl)

**CE** Complies with applicable CE directives.

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**Hunan Rika Electronic Technology Co., Ltd**  
 Add:No 499# of Yingxin Road,  
 Yuhua District,Changsha,  
 Hunan,China

 +86-731-85132979  
 [info@rikasensor.com](mailto:info@rikasensor.com)  
 [www.rikasensor.com.cn](http://www.rikasensor.com.cn)