

RK330-04 HVAC Temperature & Humidity Sensor is a professional measurement of air temperature & relative humidity. Sensors are built-in the water-proof and dust-proof shelter. It is widely used in HVAC, storage and environment monitoring field.

FEATURES

- High Sensitivity
- Fast response time
- Wide working temperature range
- Strong anti-interference ability
- Easy installation



APPLICATIONS

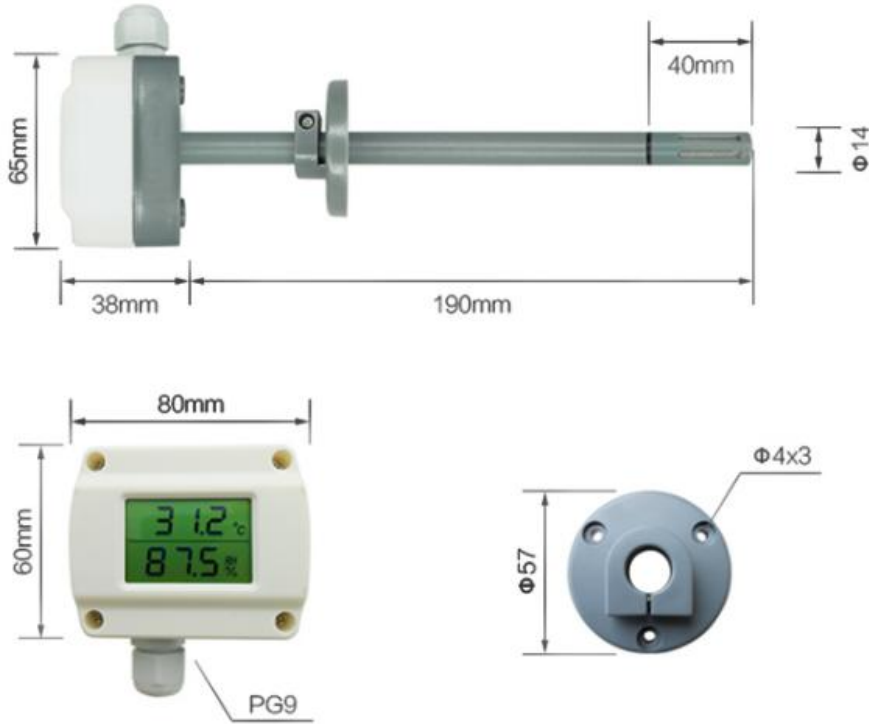
- HVAC
- Air conditioning system
- Pipe ventilation system
- Storage
- Environmental monitoring

TECHNICAL SPECIFICATION

Item	Technical Specification	
	Temperature	Humidity
Range	-40-125°C (intermediate range is optional)⓪	0-100%RH
Accuracy	±0.3°C (Full scale mean)	±3%RH
Repeatability	±0.1°C	±0.1%RH
Long-term stability	<0.04°C/Year	<0.5%RH/Year
Supply	12-24VDC	
Output Signal	4-20mA, 0-5V, 0-10V, RS485 MODBUS (RTU)	
Power Consumption	Current output: ≤0.48W, Voltage output: ≤0.2W, Digital output: ≤0.36W	
Load Characteristic	Current output: $R_L \leq (U_s - 7)/0.02 \Omega$, Voltage output: $R_L \geq 100k\Omega$	
Operating Temperature	-40°C ~ +80°C	
Ingress Protection	IP65	
Storage	10-60°C @ 20%-90%RH	
Installation method	Threaded or flanged	

⓪ Such as 0-50°C, -20-80°C, -40-60°C, -40-125°C...

DIMENSION



MOUNTING


- Using 3 hole flange(Ø4) installation;
- Installed in the region of the stable environment, avoid direct sunlight, away from the window and air conditioning, heating and other equipment;
- As far as possible away from high-power jamming devices (e.g., frequency converter, motor, etc.), so as not to cause no measurement.
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PARAMETER SELECTION TABLE

Remark	Series	Type	Range	Accuracy	Output	Cable Length	
RK							
	330						
		04					
			A				0-50°C/0-100%RH
			B				0-100°C/0-100%RH
			C				-20-60°C/0-100%RH

			D				-20-80℃/0-100%RH
			E				-40-125℃/0-100%RH
			X				Customize
					A		4-20mA
					B		0-5V
					C		0-10V
					D		RS485
						1500	Units:mm (typ)
						...	Units:mm

Example: RK330-04AA1500 0-50℃/0-100%RH Accuracy: Temperature:±0.3℃,Humidity:±3%RH Output: 4-20mA , Cable Length:1.5m.


 Complies with applicable CE directives.

Specifications subject to change without notice. Version 4.0


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