

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

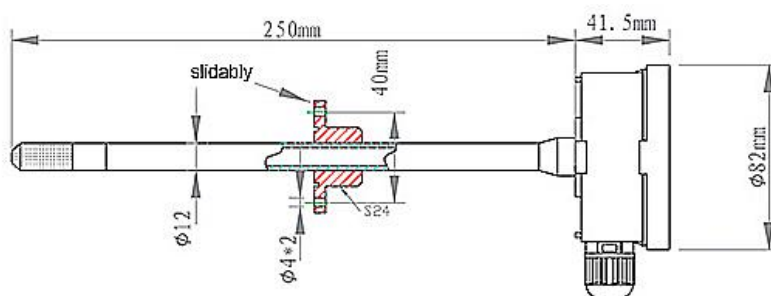
- HVAC
- Air conditioning system
- Pipe ventilation system
- Storage
- Environmental monitoring

TECHNICAL SPECIFICATION

Item	Technical Specification	
	Temperature	Humidity
Range	-40-125℃ (intermediate range is optional)①	0-100%RH
Accuracy	±0.2℃	±2%RH, ±3%RH, ±5%RH
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℃ ~ +80℃	
Ingress Protection	IP65	
Storage	10-60℃ @ 20%-90%RH	

①Such as 0-50℃, 0-100℃, -20-60℃, -20-80℃, -40-125℃...

DIMENSION



MOUNTING

- Using 2 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℃/0-100%RH
			B				0-100℃/0-100%RH
			C				-20-60℃/0-100%RH
			D				-20-80℃/0-100%RH
			E				-40-125℃/0-100%RH
			X				Customize
				A			Temperature:±0.2℃ Humidity:±5%RH
				B			Temperature:±0.2℃ Humidity:±3%RH
				C			Temperature:±0.2℃ Humidity:±2%RH
					A		4-20mA
					B		0-5V
					C		0-10V
					D		RS485

Example: RK330-04AAA1500 0-50℃/0-100%RH Accuracy: Temperature:±0.2℃,Humidity:±5%RH Output: 4-20mA



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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