

RK330-02 Atmospheric Temperature & Humidity Sensor is a professional measurement of air temperature and relative humidity. Sensor element is digital temperature and humidity IC. 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.

FEATURES

- ☐ High Sensitivity
- ☐ Fast response time
- ☐ Automatic temperature compensation
- ☐ Linear correction
- ☐ Easy installation
- ☐ LCD display optional



APPLICATIONS

- ☐ Environmental monitoring
- ☐ Livestock farm
- ☐ Storage
- ☐ Building automatic control
- ☐ Greenhouse
- ☐ Telecom room

TECHNICAL SPECIFICATION

Item	Technical Specification	
	Temperature	Humidity
Range	-30-+70°C	0-100%RH
Accuracy	±0.3°C @25°C	±3%RH(10%-90%)
Repeatability	±0.1°C	±0.5%RH
Long-term Stability	<0.04°C/year	<0.5%RH/year
Response Time	<1s	
Supply	5VDC, 12-24VDC	
Output Signal	RS485 MODBUS(RTU)	
Display(universal)	LCD is optional	
Current Consumption	<20mA	
Operating Temperature	-40°C-+70°C	
Ingress Protection	IP65	
Storage	10-60°C@20%-90%RH	
Weight(unpacked)	170g	
Dimension	117*86*41mm	
Shelter material	ABS	

MOUNTING

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.

PARAMETER SELECTION TABLE

Remark	Series	Type	Supply	Output	Display	Cable Length	
RK							
	330						
		02					
			A				5V
			B				12-24V
			X				Other
				A			4-20mA
				B			0-5V
				C			0-10V
				D			RS485
				X			Other
					A		With display
					N		Without display
						2000	Units:mm (typ.)
						3000	Units:mm
						...	Units:mm

Example: RK330-02BAN2000 Supply: 12-24V, Output:4-20mA, Without display,Cable Length:2m.



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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