

**RIKA RK330-01
Ambient Temperature & Humidity Sensor
Output: RS485**



Model: RK33001AD
Manufacture warranty: 12 months
Country of Origin: China

Descriptions

RK330-01 Atmospheric Temperature & Humidity Sensor is a professional measurement of air temperature & relative humidity. 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 (RK95-10) 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 (optional)

Applications

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

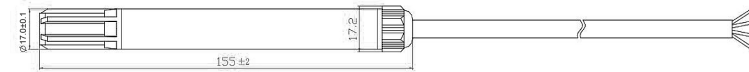
Technical Specification:

- Temperature
 - Range: -40-60°C
 - Resolution: 0.1°C
 - Accuracy: $\pm 0.5^\circ\text{C}$
- Humidity
 - Range: 0-100%RH
 - Resolution: 0.5%RH
 - Accuracy: $\pm 3\%$ RH
- Supply: 12-24VDC
- Output Signal: RS485 MODBUS(RTU)
- Current Consumption: <20mA
- Probe Length: 155mm
- Probe Material: ABS
- Ingress Protection: IP65
- Cable Length: 3m (default)
- Operating Temperature: -40°C to +80°C
- Storage Condition: 10°C to 60°C@20%-90%RH
- Dimension: 155 x $\varnothing 17.2$ mm
- Weight(unpacked): 120g

Output Characteristics

- **RS485**
It transmission distance is over 100m, please add a 120 Ω terminal matching resistances on the front end and back end of bus interface respectively. Ask for the Modbus communication protocol specification.

Dimension



Unit: mm

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.
- Fixing rail is optional.
- If you use indoor, recommends clamp to install, as shown on the right picture.



Complies with applicable CE directives.
Specification subject to change without notice. Version 3.0