



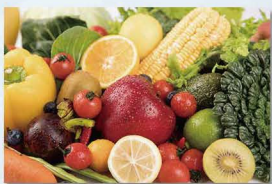
**THT-03 TEMPERATURE AND HUMIDITY TRANSMITTER**

**TZ-THT03**



The THT-03 temperature and humidity transmitter is designed based on the RS-485 communication interface, compatible with the standard Modbus-RTU protocol, and can be connected to the Modbus network to achieve temperature and humidity measurement and monitoring. THT-03 has excellent long-term stability, low latency, low power consumption, strong resistance to chemical pollution and excellent repeatability. It is used for accurate temperature and relative measurement in HVAC, communication equipment rooms, warehouse buildings and automatic control applications. The ideal solution for humidity.

**APPLICATIONS:**



*Fresh Refrigeration*



*Research & Education*



*Agriculture*



*Communication Field*



*Energy Power*

**FEATURES:**



**High sensitivity**



**Steady Signal**



**Anti-Interference**

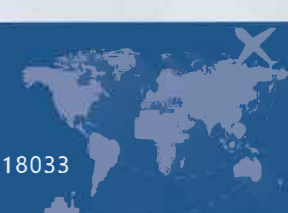
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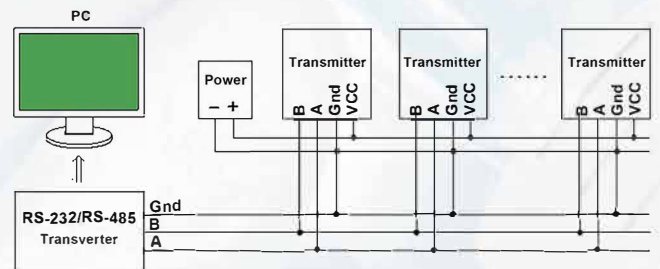
## THT-03 TEMPERATURE AND HUMIDITY TRANSMITTER



<b>DIGITAL DISPLAY</b>	<b>HIGH SENSITIVITY</b>	<b>ACCURATE MEASUREMENT</b>	<b>STEADY SIGNAL</b>
<b>IP54</b>	<b>SUPPORT TECHNICAL</b>	<b>ANTI-INTERFERENCE</b>	<b>CAN WORK IN CONDENSING ENVIRONMENT</b>

### THT-03

Temperature Measurement Range	-40°C ~120°C
Temperature Accuracy	±0.2°C @25°C
Humidity Measurement Range	0%RH ~95%RH
Humidity Accuracy	±2%RH@3%RH
Dimension	106mm*88mm*33mm
Weight(s)	135g
Transmission Mode	RS485 Modbus-RTU
Transmission Distance	The standard maximum transmission distance is about 1200 meters (Depending on the use environment, transmission material and transmission rate)
Product Power Consumption	5mA (typical value), 8 mA (maximum value)
Power Supply	DC 5~36V
Output Signal	RS485 Modbus-RTU
Working Environment	-40°C ~85°C / 0%RH -95%RH (non-condensing)
Transmission Rate	4800bps/ 9600bps Optional
Display screen	Temperature and humidity display are accurate to one decimal place
Indicator light	Flash once when reading the data.
Protection Grade	IP54



### FEATURE

1. Low power consumption
2. Fully calibrated
3. High precision and good consistency
4. Long-term stability, low drift
5. Humidity full range temperature compensation
6. Standard Modbus-RTU protocol
7. Strong interface defense capability and stable communication