

GTHT290

Wireless temperature humidity transmitter

Product Manual



DESCRIPTION ///

GTHT290 wireless temperature and humidity transmitter is a high-precision, low-power wireless temperature and humidity detection instrument. Using high-precision imported chips and large-capacity lithium battery power supply, the longest data transmission distance can reach 1000m. With the wireless gateway, it can receive data from up to 128 wireless temperature and humidity transmitters on site, and transmit the data to the back-end collection equipment through the RS485 or Ethernet interface. It is widely used in temperature and humidity measurement and monitoring in heating, cold storage, agricultural greenhouses, breeding farms, laboratories and other scenarios.

FEATURES ///

- High measurement accuracy (imported chip)
- Long transmission distance (maximum line of sight 1000m)
- Ultra-low power consumption (standby power consumption <0.02mA)
- Long battery life (sending frequency of 1 minute, battery life of 3 years)
- Powered by large-capacity lithium battery (2600mAh)
- Upper and lower limit sound and light alarm function
- Small size and light weight
- Easy installation: wall hanging or magnet adsorption




PARAMETERS ///

Model	GTHT290
Temperature range	-30~+60°C
Temperature accuracy	±0.5°C/±0.2°C
Humidity range	0~100%RH
Humidity accuracy	±4.5%RH/±1.8%RH
Resolution	0.001°C/0.001%RH
Network format	SWSN
Carrier frequency band	433/470/900/915MHz(Customized)
Transmission distance	sight distance 1000m, Barrier environment 250m
Data sending interval	5-255s
Alarm	Upper and lower limit sound and light alarm
working environment	Ambient temperature: -30~+60°C Ambient humidity: 0~95%RH(No condensation)
Power supply	3.6V lithium battery (7200mAh)
Installation method	Wall mounting, magnet adsorption
Shell material	ABSplastic
Host size	90*60*20mm
Weight	100g

PS: Standard built-in temperature and humidity probe, if you need an external probe, please consult us for details.

G2 WIRELESS GATEWAY ///

Network format	SWSN	
Modulation	GFSK	
Frequency	433/470/900/915MHz(customized)	
Data interface	RS485/Ethernet	
Communication protocol	Modbus RTU/TCP	
Power supply	10 ~ 28VDC	
working environment	Temperature: -20°C ~ 60°C; Humidity: 0~90%RH	
Size	75(W)*125(H)*45(D)mm (without antenna)	
Installation method	35mm Rail mounting	