

# Wireless temperature transmitter +G2 (Wireless Gateway)

# GAIMC

## GTT230

### PRODUCT DESCRIPTION

The wireless temperature transmitter is a high precision and low power wireless temperature measuring instrument. The temperature transmitter consists of temperature sensor, signal processing circuit, communication module and power module. Temperature transmitter with wireless gateway can realize the scene more wireless temperature transmitter data reception, with RS485 interface way forward to a third party data acquisition equipment, each gateway can support 32, 64 and 96 sets of wireless temperature transmitter data reception and management.

This product is mainly used in mechanical, petroleum, metallurgy, chemical, papermaking, pharmaceutical, electric power, environmental protection and food industry pipeline temperature measurement and monitoring.



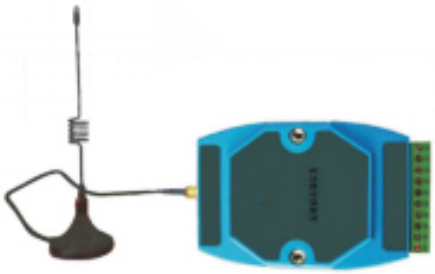
### FEATURES

- High accuracy, low power consumption.
- Wireless signal transmission, No field wiring is required. saving cost, Suitable for the field of difficult wiring.
- High power lithium battery and long service life. Suitable for the field without power supply
- The measurement range is wide and the transmission distance is far.
- LCD display, Small and beautiful appearance.
- Easy to install and easy to use

### SPECIFICATIONS

Measuring range	-200~500℃, 0~1000℃, 0~1300℃, 0~1600℃
Precision grade	Grade 0.2/0.1
Power supply	Built-in 3.6V lithium battery.
Standby consumption	<0.03mA
Output	SWSN wireless network; GPRS
Modulation method	GFSK
Frequency rate	430/470MHZ
Transmission distance	1000m(open environment)
Data send	Regularly send, Send interval 1 ~ 255 seconds adjustable. Deviation send, The difference between the measured value and the last sent value is greater than the set value, then automatically sent
Battery life	Data is collected every 5 seconds, battery lasts 2 years at normal temperature.; Data is collected every minute, battery life is 10 years at normal temperature.
Work environment	Temperature:-20℃~60℃; Humidity<90%
Explosion-proof	ExdIICT6(optional)
Process interface	M27×2 External thread; flange
Sheath material	304; GH3030;GH3039;SiC-Si ceramic; SiC ceramic etc.
Dimensions	W115×H210×D110mm(without sensor part.)

## G2 Wireless Gateway parameters

Network support	SWSN wireless network	
Modulation method	GFSK	
Frequency rate	433M/470MHZ	
Data interface	RS485 LAN WIFI	
Communication protocol	Modbus RTU	
Power supply	10~28VDC	
Work environment	Temperature:-20℃~60℃; Humidity<90%	
Dimensions	75(W)*125(H)*45(D)mm(Not including antenna)	
Installation	35mm Guide installation	

## TYPE SELECTION

### Temperature transmitter type selection

GTT230	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Measuring range	01							-200~500℃
	02							0~1000℃
	03							0~1300℃
	04							0~1600℃
Accuracy	01							0.1 grade
	02							0.2 grade
Connection	01							M27×2 External thread
	02							Flange
Sheath material	01							304
	02							GH3030
	03							GH3039
	04							SiC-Si ceramic
	05							SiC ceramic
	09							Other
Structure	01							Integrated
	02							Separated type
Explosion-proof	N							None
	D							ExdIICT6
Insert depth (including threads)						XX		20~3000mm

### G2 Wireless Gateway type selection

GTT230-G2-	<input type="checkbox"/>	Note
Wireless Gateway	32	Receive 1 ~ 32 wireless temperature transmitter data (Normal)
	64	Receive 1 ~ 32 wireless temperature transmitter data (Optional)
	96	Receive 1 ~ 32 wireless temperature transmitter data (Optional)

#### Description:

1. The wireless temperature transmitter must be used with the wireless gateway. The conventional default 1 wireless gateway can receive data of 1 ~ 32 temperature transmitters. You also can choose between 64 and 96 wireless gateways.

2. Eg: GTT230-0102010101N-100 GTT230-G2-32

wireless temperature transmitter, temperature range: -200~500℃, accuracy: 0.2, connection: M27×2 external thread, 304 sheath, Integrated, without Explosion-proof, Insert depth 100mm;

wireless gateway, 32, Receive 32 wireless temperature transmitter data