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

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Componentes de control

SPECIFICATIONS

Measuring range	-200～500℃,0～1000℃,0～1300℃,0～1600℃
Precision grade	Grade 0.5/0.2/0.1
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	□	□	□	□	□	□	□	Note
Measuring range	01							-200~500℃
	02							0~1000℃
	03							0~1300℃
	04							0~1600℃
Accuracy		01						0.1 grade
		02						0.2 grade
		05						0.5grade
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-	□	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 depth100mm;

wireless gateway,32,Receive 32 wireless temperature transmitter data

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