

Waterproof Plastic Case Wireless Temperature Transmitter +G2 (wireless Gateway)

GAIMC

GTT270

GTT270 wireless temperature transmitter (internal antenna)



G2 wireless gateway



PRODUCT DESCRIPTION

GTT270 wireless temperature transmitter is a high-precision, low-power radio transmission type temperature detecting instrument independently developed by our company. Powered by lithium battery, IP67 waterproof case, support data recording and data refill function (GPRS model), no wiring, no external power supply, eliminating the trouble of conventional instrument wiring cable tray, saving manpower and construction cost, is a tradition An ideal upgrade for temperature measuring instruments.

TECHNICAL PARAMETERS

Measuring range	-30~100℃, -200~100℃, -50~400℃
Accuracy	0.2, 0.5, 0.1 (interval setting)
Power supply	Built-in 3.6V lithium battery 7000mAh (12000 mAh optional)
Standby power consumption	<0.02mA
Wireless transmission	GFSK 433M / 470M ; spread spectrum 433M / 470M ; GPRS ; 4G full Netcom(optional)
Data storage	2000(optional)
Data supplement	GPRS, 4G Global Network model only (optional)
Transmission distance	GFSK line-of-sight distance is 800 meters (conventional barrier environment 80-160 meters); spread spectrum line-of-sight distance is 5000 meters (normal barrier environment 500-1000 meters); GPRS, 4G full Netcom distance is unlimited (depends on mobile communication operator network)
Battery Life	5 years (data sampling interval 5 seconds GFSK mode 25 °C test actual service life discount)
working environment	Temperature - 30 °C ~ 80 °C; humidity <95 % no frosting
Protection level	IP67
Audible alarm	Built-in sound and light alarm 75dB intermittent sound (optional)
Process interface	M27×2 external thread; M20*1.5 external thread ; flange
Probe material	201, 304 , 316L, etc.
Dimensions	98*76*39 mm (without sensor part)
Weight	Less than 200g (header part)

G2 wireless gateway technical parameters

Network support	SWSN wireless network
Modulation	GFSK
Frequency	433/470MHZ
Data interface	RS485
Communication protocol	Modbus RTU
Power supply	10~28VDC
Working environment	Temperature:-20℃~60℃; humidity:90%
Dimensions	75(W)*125(H)*45(D)mm (without antenna)
Installation method	35mm rail mounting



TYPE SELECTION

GTT270	<input type="checkbox"/>	<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								-30~100℃
	02								-200~100℃
	03								-50~00℃
Accuracy	01								0.2
	02								0.5
	03								0.1 (interval customization)
Connection method	01								M27×2 external thread
	02								M20*1.5 external thread
	03								Flange
Probe material	201								201
	304								304
	316L								316L
Probe diameter	12								12mm
	14								14mm
	16								16mm
Number of built-in temperature probes	01								Built-in temperature detection point
	02								Built-in two temperature detection points
	03								Built-in three temperature detection points
Insertion depth (with thread)							XX		300~4000mm
Wireless transmission mode	N								Without radio transmission
	SWSN								Transmission distance up to 5000 meters
	LORA								Spread spectrum communication method, transmission distance is greater than 3000 meters
	GPRS								GPRS signal mode
	4G								4G full Netcom mode

G2 Wireless gateway type selection

GTT270-G2-	□	Note
Wireless gateway	32	Can receive 1~32 wireless temperature transmitter data (regular)
	64	Can receive 1~64 wireless temperature transmitter data (optional)
	96	Can receive 1 to 96 wireless temperature transmitter data (optional)

Note:

1. The wireless temperature transmitter must be used with the wireless gateway when using the SWSN ad hoc network and LORA. The default one wireless gateway can receive data from 1 to 32 temperature transmitters; it can be equipped with 64-bit and 96-bit wireless gateways;

2. Eg: GTT270-01020112100N-100 GTT270-G2-32

Wireless temperature transmitter, temperature range: -30 ~ 100 °C, accuracy grade 0.5, connection: M27 × 2 external thread, probe diameter ϕ 12mm, a built-in temperature detection point, insertion depth of 100mm, without wireless transmission;

Wireless gateway, 32-bit, can receive 32 temperature transmitter data.