

MT1281 Compact Lora Wireless Temperature Sensor**MAIN FEATURES**

- Low power consumption, high precision, good stability
- No wiring required, wireless Lora communication
- Small size, faster installation

APPLICATION

- Petroleum
- Chemical
- Electricity
- Papermaking
- Environmental protection
- Metallurgy
- Light industry
- Medical

**OVERVIEW**

MT1281 compact Lora wireless temperature sensor is an industrial temperature sensor that integrates battery power supply, ultra-low power consumption, wireless communication, temperature or pressure monitoring. It adopts micro-power wireless communication mode, does not require wiring, is small in size, and is faster and more convenient to install. There is also a matching wireless transfer gateway device that can convert many wireless pressure, temperature and other signals into MODBUS standard signals and transmit them through Ethernet or serial port. It can be easily connected to the measurement and control system and has a wide range of applications in industry, smart cities, water irrigation and other fields.

SPECIFICATION

Power supply range	3.6V@2700 mAh disposable lithium-ion battery
Range	-10~85°C (customizable)
Measurement medium	gas/liquid, special fluids can be customized
Network format	LoRa
Accuracy level	±0.25%, 0.5%
Reporting period	30 seconds to 24 hours can be set
Upload information	temperature, signal strength, battery power, etc.
Battery life	1~3 years (related to data upload interval)
Communication signal	Lora
Transmission distance	Sight distance 1000m
Configuration method	serial port, button, gateway configuration (One gateway can connect 32/64 sensors)
Power	Transmitting power: ≤150mW
Signal frequency band	Default 433Mhz (915MHZ, 433MHZ, 868MHZ, 2.4G etc customized)

ORDER CODE

Code:	A	–	B	–	C	–	D	–	E	–	F	–	G
Model:	MT1281	–	D	–	T	–	1/2NPT	–	L	–	10	–	WL

Model	Code A
Classic structure	1281
Temperature Range (X=specific)	Code B
-10~85°C	D
Other customized	C
Temperature type	Code C
PT100	T
Thermocouple (E, J, K etc.)	TC
Other customized	C

Process connection	Code D
1/2"NPT	1/2NPT
Customized	C
Accuracy	Code E
0.25%(typical)	L
0.5%(standard)	T
Probe length	Code F
Xcm	X
Customized	C
Output signal	Code G
Lora	WL