Temperature sensors

Bluetooth Temperature Transmitter, Pipeline and Tank

Model CS-iWPT302-T

Wireless Bluetooth 5.1 temperature transmitter for oil, gas and heating pipelines and tanks, measuring -40–125°C with ±1°C typical accuracy and over 5 years battery life.



Accuracy
±1°C (typical values)

Protection
IP65

Features

- Parameters set and data read through a mobile app
- 3.6VDC battery, life > 5 years
- 304SS, ABS and PC shell, IP65
- Suits liquids or gases compatible with stainless steel

Applications

Oil and gas pipelines, Heating pipelines, Storage tanks

Specifications

Performance

Temperature range (standard type)	-40–85°C (Note 1)
Temperature range (non-standard type)	-40–125°C
Temperature accuracy	±1°C (typical values)

Electrical

Transmission mode	Bluetooth 5.1
Insulation resistance	100MΩ@100VDC
Power supply mode	3.6VDC (ER14250, disposable lithium battery)
Maximum operating current	6mA
Battery life	> 5years (@25°C, 60 s sampling interval and 10 s broadcast interval)

Mechanical

Medium of measurement	Liquid or gas compatible with stainless steel 304SS

Shell material	304SS+ABS+PC (other materials can be customized)
Level of protection	IP65

Environmental	
Operating temperature	(-40–+85)°C
Storage temperature	(-40–+85)°C (recommended that storage temperature does not exceed 30°C)

Certification	
ATEX certified	TBD

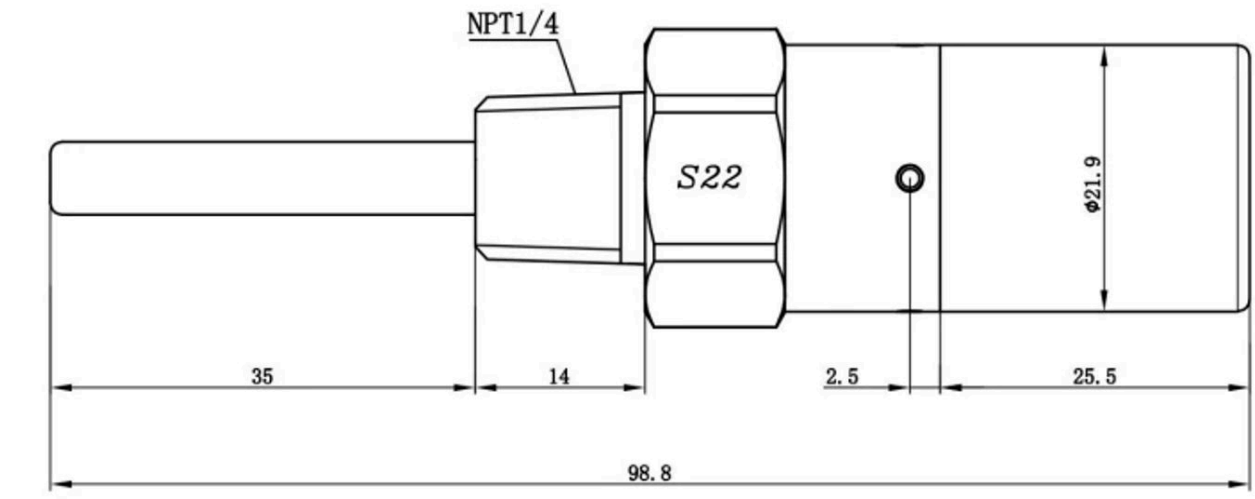
Notes	
Note 1	Due to the influence of the shell material, the standard model can only measure temperatures of -40 to 125°C for a short period of time.
Note 2	Sampling interval setting range is 2-180 seconds (default 60 seconds); Bluetooth broadcast interval setting range is 1-10 seconds (default 10 seconds).

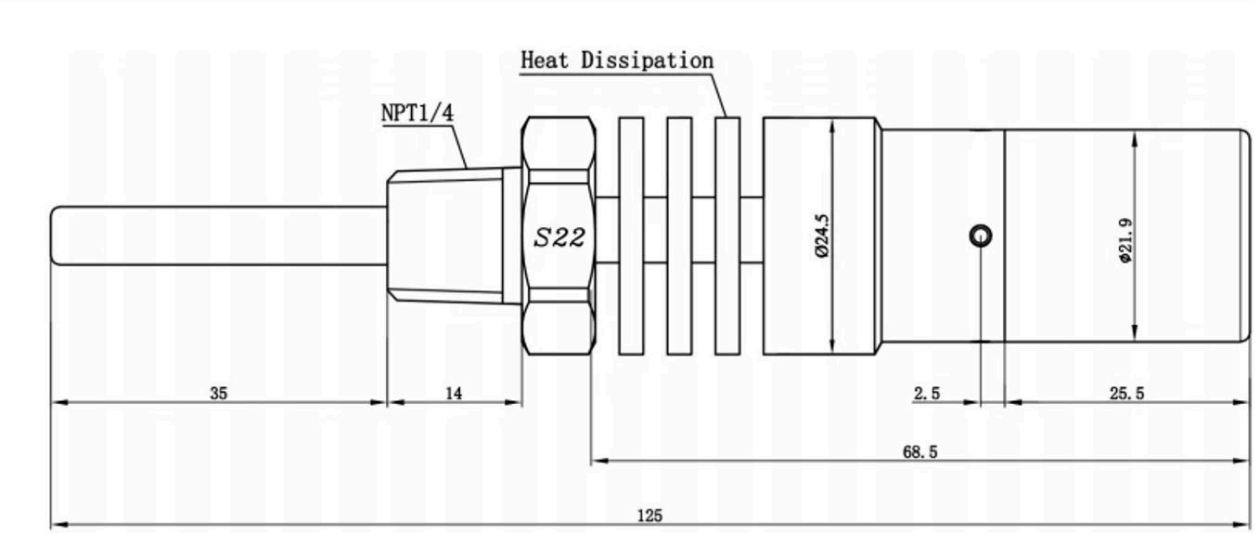
Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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Dimensions and wiring





Drawings are for reference. Dimensions in millimetres unless stated.