IoT monitoring

Bluetooth Pressure Transmitter, Pipeline, 3.6V Battery

Model CS-iWPT302-P

Wireless Bluetooth 5.1 pressure transmitter for oil, gas and heating pipelines, 0–50bar, ±0.5%FS at 25°C, with battery life over 5 years and NPT 1/4 connection.



Accuracy
±2°C (typical value)

Protection
IP65

Features

- Built-in disposable ER14250 lithium battery
- Parameters configurable over Bluetooth
- 304SS and ABS+PC shell, IP65
- Small size, easy to install
- Internal temperature -40–85°C, ±2°C typical

Applications

Pipeline pressure monitoring, Oil and gas pipelines, Heating pipelines, Inspection and data collection

Specifications

Performance

Pressure range	0–50bar (customized; default gauge pressure is 50bar)
Pressure accuracy	±0.5%FS @25°C / ±1.0%FS @-20–80°C
Overload pressure	1.5X Typ.
Burst pressure	2.5X Typ.
Core compensated temperature	(-20–+80)°C
Temperature range	-40–85°C (internal ambient temperature of the product)
Temperature accuracy	±2°C (typical value)

Electrical

Transmission mode	Bluetooth 5.1
Insulate resistance	100MΩ@100VDC
Power mode	3.6VDC (ER14250 disposable lithium battery)
Max working current	6mA

Battery life	> 5 Years (@25°C, 60 seconds sampling interval, 10 second broadcast interval)

Mechanical	
Pressure connector	NPT 1/4 (customized)
Measuring medium	Compatible with SS and fluororubbers for liquids or gases
Shell material	304SS, ABS+PC
IP rating	IP65

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

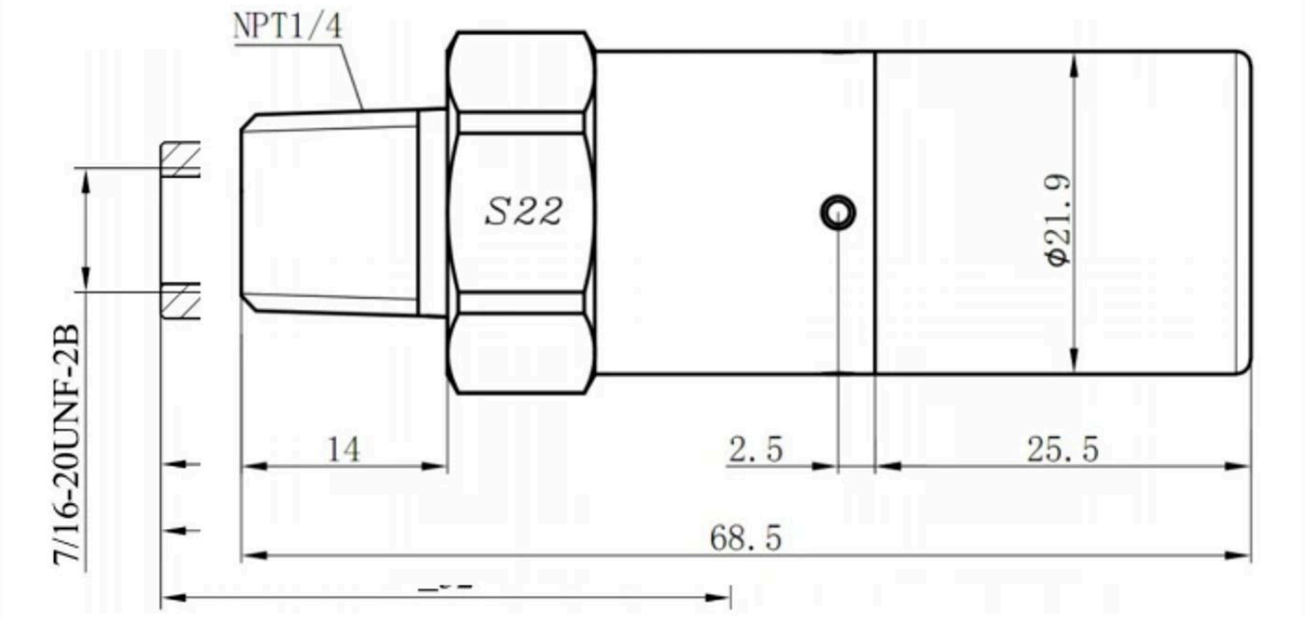
Certification	
ATEX certification	TBD

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.