IoT monitoring

NB-IoT Temperature and Pressure Transmitter, LCD

Model CS-iWPT-304

Battery-powered NB-IoT pressure and temperature transmitter with LCD, 0–600kPa (0–20MPa customizable), ±0.5% pressure accuracy, ≤ 15uA power draw and ≥2 years battery life.



Accuracy	Frequency
±1.5°C	B1/B3/B5/B8/B20
Protection	**Supply voltage**
IP65	3.3–3.6VDC

Features

- LCD display for local reading
- Upper and lower limit alarm thresholds configurable
- Sampling and sending interval configurable
- G1/2 pressure connection, aluminum alloy housing
- IP65 protection

Applications

Oil pipeline monitoring, Steam pipeline monitoring, Heating pipeline monitoring

Specifications

Wireless	
Working frequency (NB-IoT)	B1/B3/B5/B8/B20
Antenna	Rod antenna

Electrical	
Working voltage	3.3–3.6VDC
Battery life	≥2 years (3.6V lithium battery ER26500 (9AH); see Note 1)
Max working current	<300mA
Sampling interval	10min (configurable)

Performance	
Pressure range	0–600kPa (0–20MPa customizable)
Pressure accuracy	±0.5% (±0.25% customizable)

Temperature range	-20–+60°C (-50–+150°C customizable)
Temperature accuracy	±1.5°C

Mechanical

Pressure connection	G1/2 (customizable)
Housing material	Aluminum alloy
Housing dimension	155mm×129mm×200mm (L×W×H)
Ingress protection	IP65
Explosion proof	-- (ExdIIBT5 Gb, certification available as required)

Environmental

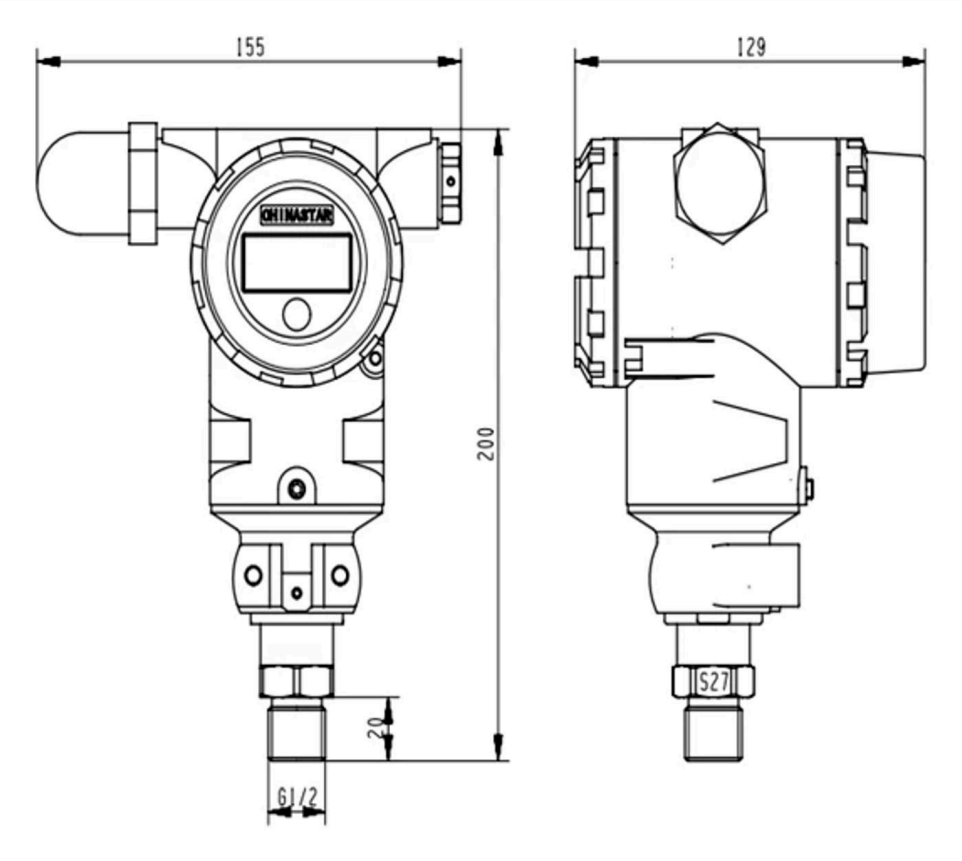
Ambient temperature	-20–+85°C
Storage temperature	-40–+85°C (battery not included)

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.