Temperature sensors

Level and Temperature Transmitter, Platinum Sensor

Model CS-WPT400

Level and temperature transmitter for 0~3.5m H2O to 0~350m H2O and -40~60°C, with a silicon oil pressure sensor, platinum temperature sensor and 4~20mA output.



Range	Output
0–3.5mH2O to 0–350mH2O	4–20mA
Protection	**Supply voltage**
IP68	10VDC~30VDC

Features

- Silicon oil pressure sensor
- Platinum temperature sensor
- Accuracy 0.5%BFSL or 1.0%BFSL
- Cable outlet electrical connection
- 10VDC~30VDC supply

Applications

River and lake monitoring, Deep well and groundwater monitoring, Storage vessel level and temperature, Sewage and storm-water basin monitoring

Specifications

Performance parameters

Reference conditions	Temperature: 25°C, Power: 12VDC, RH: 45%~75%, Atmospheric pressure: 86KPa~106KPa
Pressure range	0–3.5mH2O to 0–350mH2O
Temperature range	-40–60°C, but can’t beyond the temperature of seal material(Note1)
Pressure output	4–20mA
Power supply (u+)	10VDC~30VDC
Output load	≤(U+ -10) / 0.023Ω(MAX:600Ω)
Over voltage	30VDC
Reverse voltage	-30VDC

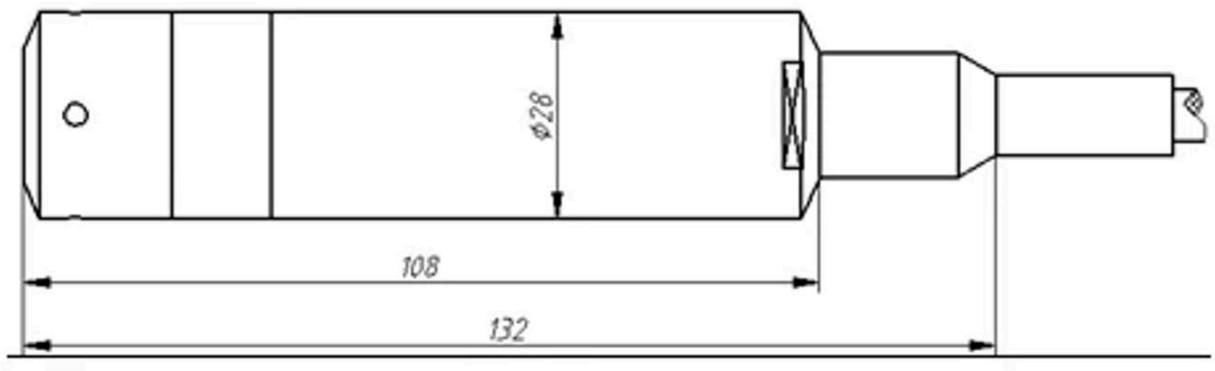
Pressure accuracy at room temperature	±0.5%F.S standard, ±1%F.S optional (include no-linearity, hysteresis, repeatability, and calibration error)
Storage temperature	-40–100°C
Long-term stability	±0.5%F.S / year
Settling time	(10%~90%) ≤10ms
Overload pressure	≥ 150%F.S
Burst pressure	≥ 200%F.S
Pressure connection	Standard connector
Temperature output	4–20mA
Electrical connection	Cable outlet
Insulation resistance	≥ 100MΩ@50VDC
Vibration resistance	10g, 5–2000Hz
Shock resistance	20g, 11ms half sine
Ingress protection	IP68
Sealings materials for wetted part	NBR O-Ring default, FKM optional
Housing material	304 stainless steel default, 316L stainless steel and Titanium optional
Cable material	PE default, PUR and FEP optional
Note 1	Operating temperature shall not go beyond the temperature range of the seal materials. Default NBR suits medium temperature -20–100°C; with an FKM seal ring the medium temperature should be between -15–125°C.

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.