Pressure and level transmitters

Submersible Level Transmitter, Silicon Resistance, IP68

Model CS-PT471

General-purpose submersible level transmitter with a silicon resistance sensor, 0–3...50m H2O range, ±1.0%F.S accuracy and 4–20mA or 0.5–4.5VDC output.



Range	Output
0–3...50m	4–20mADC
Protection	**Supply voltage**
IP68	12–30 VDC

Features

- Silicon resistance sensor
- Output 0.5-4.5VDC or 4-20mA
- IP68 protection
- Housing in 304 or 316L stainless steel
- Over voltage and reverse protected

Applications

River and lake level measurement, Deep well and groundwater monitoring, Vessel and storage tank level, Sewage and storm-water basin monitoring

Specifications

Performance

Test conditions	Temperature 20±2°C, power supply 12VDC/5VDC, relative humidity 45%~75%, ambient atmospheric pressure 86KPa~106KPa
Standard range (H2O)	0–3...50m
Pressure type (g: gage, a: absolute)	G/A
Proof	2X
Accuracy at 25°C	±1.0%F.S (include linearity, hysteresis, repeatability, and calibration error)
Long-term stability	±0.5%FS/year
Response time	≤10ms

Electrical

Output signal (4~20mA variant)	4–20mADC

Output signal (voltage variant)	0.5–4.5VDC
Supply voltage (4~20mA variant)	12–30 VDC
Supply voltage (voltage variant)	5 VDC
Max supply current without load (voltage variant)	≤4 mA
Output load (4~20mA variant)	≤ (U-12) / 0.023 Ω (MAX 600Ω)
Output load (voltage variant)	≥10KΩ
Overvoltage (4~20mA variant)	32VDC
Overvoltage (voltage variant)	30VDC
Reverse voltage	-30VDC
Insulate resistance	≥100MΩ@50VDC

Environmental

Operating temperature	-20°C ~ 85°C
Compensated temperature	-10°C ~ 70°C
Storage temperature	-40°C ~ 100°C
Random vibration	10g, 5–2000Hz
Shock	X/Y/Z, 20g, half-sine 11ms
Drop (any axis)	1m

Mechanical

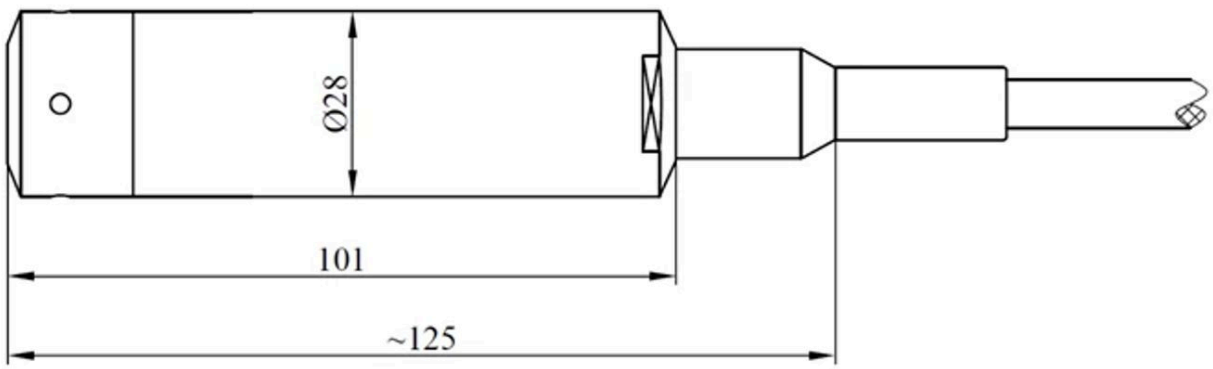
IP rating	IP68
Housing material	304/316L stainless steel
Seal material	NBR O-Ring default (-20°C ~ +100°C), FKM optional (-15°C ~ +135°C) or others
Cable material	PE default, PUR and stiffener cable are optional

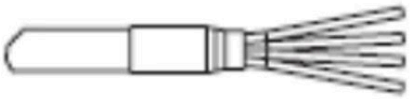
Ordering and support

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

Guangzhou Dwin Technology Co., Ltd., 4th Floor, Building 2, No. 4 Xingye Road, Xiaowu Second Industrial Zone, Dongyong Town, Nansha District, Guangzhou, China. Specifications are typical values and may change without notice; confirm critical values with DWIN before design-in. Revision 2026-11.

Dimensions and wiring





Line color	Line define
Red	Supply power (U+)
Green / Blue	Voltage output (Vo)
Black	GND
Yellow	Shield (PE)

Drawings are for reference. Dimensions in millimetres unless stated.