Pressure and level transmitters

Submersible Level Transmitter, 19mm Diameter

Model CS-PT430

Submersible level transmitter with a 19mm diameter, diffused silicon sensor, 0–1...350mH2O range and ±0.25%F.S or ±0.5%F.S accuracy, in 4–20mA or voltage output.



Range
0–1...350mH2O (customized)

Accuracy
(±0.5%F.S, ±0.25%F.S)@25°C

Output
4–20mA

Supply voltage
12–30Vdc

Features

- Diameter ϕ19mm
- Anti-freezing, anti-blocking, anti-lightning strike
- Output 4–20mA, 0.5-4.5V or 0-10V
- CE and UKCA, intrinsically safe type available
- Cable in PE, PUR or FEP

Applications

Potable water supply, Reservoir, lake and river monitoring, Hydrological monitoring, Water tank level monitoring, Water-saving irrigation

Specifications

Performance

Measure range	0–1...350mH2O (customized)
Overload pressure	1.5×RP (rated pressure)
Broken pressure	3.0×RP (rated pressure)
Accuracy	(±0.5%F.S, ±0.25%F.S)@25°C
Zero thermal error (0-3mH2O)	±1%F.S (0–70°C) @25°C
Zero thermal error (other ranges)	±0.75%F.S (-10–80°C) @25°C
Span thermal error (0-3mH2O)	±1%F.S (0–70°C) @25°C
Span thermal error (other ranges)	±0.75%F.S (-10–80°C) @25°C
Long term stability	±0.25%F.S/year

Response time	10ms
Pressure form	Gauge G, Absolute A

Electrical

Output signal (two-wire)	4–20mA
Output signal (three-wire)	0.5-4.5V / 0-10V
Power supply (two-wire, 4~20mA)	12–30Vdc
Power supply (three-wire, 0.5-4.5V)	5Vdc
Power supply (three-wire, 0-10V)	12–30Vdc
Load (two-wire)	(U-10)/0.02(Ω)
Load (three-wire)	≥10kΩ
Supply current (three-wire)	≤8mA
Insulation	>100M Ω@50V

Environmental

Operate temperature	-40°C~+85°C (according to O-ring and cable)
Compensation temperature	-10°C~+80°C
Random vibration	10g, 5–2000Hz
Shock	X/Y/Z, 20g, sine 11ms

Mechanical

Media compatibility	304 stainless steel; 316L stainless steel and Titanium optional
Seal material	NBR O-Ring, FKM optional
Electrical connector	IP68
Cable material	PE, PUR and FEP optional
Weight (excluding cable)	About 200g

Compliance

Compliant	CE, UKCA
EMC	EN: 61326-1
Surge immunity	EN:61000-4-5: ±0.5KV, ±1KV, on I/O Ports & DC lines

Ordering information

Range code	001Y 0-1m; 002Y 0-2m; 006Y 0-6m; 010Y 0-10m; 050Y 0-50m; 100Y 0-100m; 200Y 0-200m; 350Y 0-350m
Accuracy code	2 ±0.25%F.S; 5 ±0.5%F.S
Output signal code	A 4–20mA; V 0–5VDC; T 0–10VDC
Power supply code	02 5VDC; 13 12–30VDC
Seal material code	N NBR; H HNBR; C CR; F FKM; W Welded structure

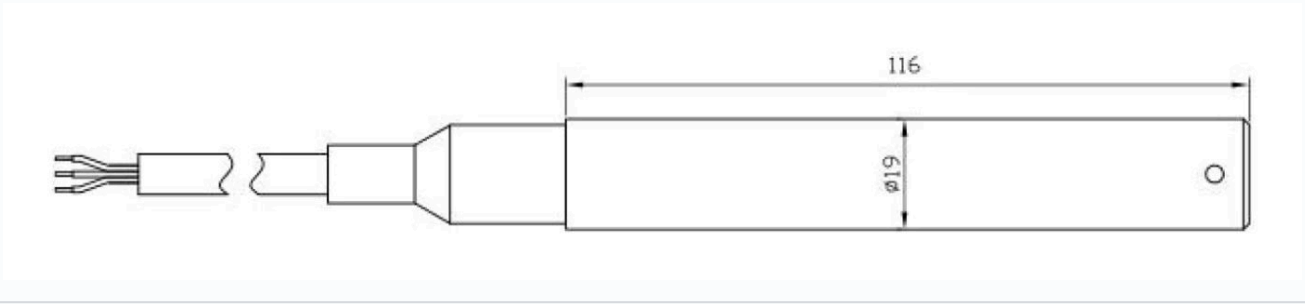
Cable material code	PE PE; PU PUR; F4 FEP
Cable length code	01 1m; 02 2m; 04 4m; 05 5m; XX (blank)

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





Drawings are for reference. Dimensions in millimetres unless stated.