Pressure and level transmitters

Sputtered Film Pressure Transmitter, DIN 43650 C, G1/4

Model CS-PT831

Sputtered film pressure transmitter for 0–25...800bar gauge, with 4-20mA or 0.5-4.5V output, ±0.5% F.S accuracy, 316L housing, G1/4 connection and IP65 protection.



Range	Output
0–25...800bar Gauge	0.5–4.5VDC
Protection	**Supply voltage**
IP65	5VDC

Features

- Fully welded, no O-ring, no leakage risk
- DIN 43650 C or M12 electrical connection
- Over voltage and reverse protected
- Medium temperature -40–125°C
- Suitable for mass production

Applications

Hydraulic and pneumatic systems, Construction machinery, Machinery manufacturing, General pressure measurement

Specifications

Performance parameters

Reference conditions	Temperature 25°C; power supply 12VDC, 5VDC; relative humidity 45%~75%; ambient atmospheric pressure 86KPa~106KPa
Pressure range	0–25...800bar Gauge
Accuracy at room temperature	±0.5% F.S (include no-linearity, hysteresis, repeatability, and calibration error)
Long-term stability	±0.25%F.S / year
Response time	(10%~90%) ≤10ms
Overload pressure	2X
Burst pressure	10X (max 2000bar)

Electrical

Output signal (current variant)	4–20mA

Output signal (voltage variant)	0.5–4.5VDC
Power supply (u+) (current variant)	10–30VDC
Power supply (u+) (voltage variant)	5VDC
Max supply current without load (voltage variant)	≤ 4 mA
Output load (current variant)	≤ (U-10) / 0.023 Ω (max 600Ω)
Output load (voltage variant)	≥10KΩ
Over voltage (current variant)	32VDC
Over voltage (voltage variant)	30VDC
Reverse voltage (current variant)	-32VDC
Reverse voltage (voltage variant)	-30VDC
Insulation resistance	≥ 100MΩ@50VDC
Electrical connection	DIN 43650 C, M12

Environmental

Medium temperature	-40–125°C
Ambient temperature	-20–85°C
Storage temperature	-40–120°C
Vibration resistance	10g, 5–2000Hz
Shock resistance	20g, 11ms half sine

Mechanical

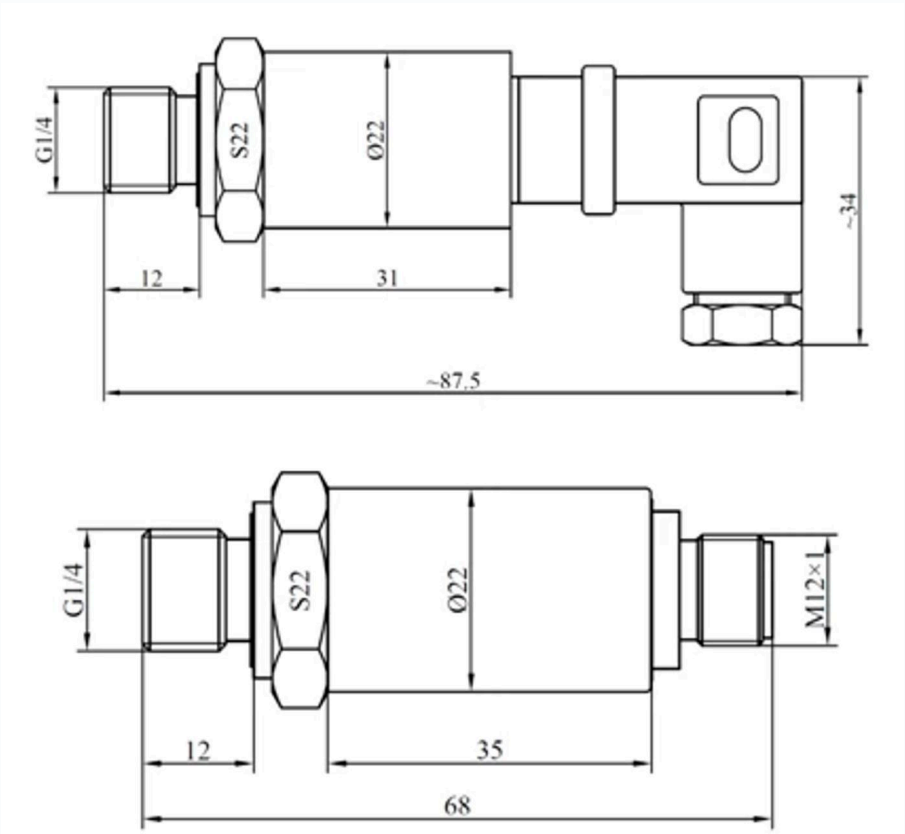
Pressure connection	G1/4
Housing material	316L stainless steel
Ingress protection	IP65

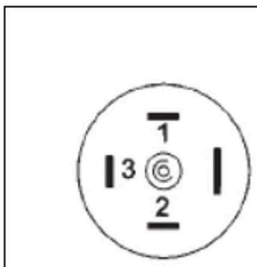
Ordering and support

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.

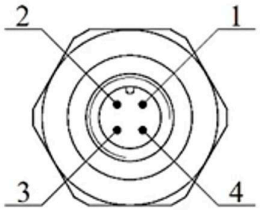
Dimensions and wiring





Pin	Definition
1	Power Supply (U+)
2	Current Output (Io)
3	
⏚	Shield（PE）

(DIN 43650C)



Pin	Definition
1	Power Supply (U+)
2	Current Output (Io)
3	
4	Shield（PE）

M12

Drawings are for reference. Dimensions in millimetres unless stated.