Pressure and level transmitters

Sputtered Film Pressure Transmitter, 0.2–4.8V, M18×1.5

Model CS-PT807

Sputtered film pressure transmitter for 0~2MPa...40MPa, with 0.2~4.8VDC output, 0.5 %BFSL accuracy and a fully welded structure with M18 × 1.5 female interface.



Range	Accuracy
0–2MPa	±0.5% F.S.
Output	**Protection**
(0.2±0.1)V~ (4.8±0.1)VDC	≥ IP65

Features

- Fully welded, no O-ring, no leakage risk
- High overload and burst pressure
- Y4-4ZJBM connector with 1.5m cable
- Over voltage and reverse voltage protection
- Interfaces and outputs can be customized

Applications

Kerosene pressure measurement, Nitrogen and helium pressure, Machinery manufacturing, General pressure measurement

Specifications

Performance specifications

Pressure range (option 1)	0–2MPa
Pressure range (option 2)	0–10MPa, 0–35MPa, 0–40MPa
Overload pressure (0~2MPa)	150%F.S
Overload pressure (0~10MPa to 0~40MPa)	120%F.S
Burst pressure (0~2MPa)	200%F.S
Burst pressure (0~10MPa to 0~40MPa)	150%F.S
Accuracy at room temperature	±0.5% F.S.
Temperature error	±1.0%F.S (-40°C~60°C)
Settling time	(10%~90%) ≤10ms

Clipping voltage	Upper: ≤6.5V; Lower: ≥0V
Long-term stability	±0.5%F.S / year
Leak rate	≤1.0×10^7 Pa•m³/s

Electrical

Output signal	(0.2±0.1)V~(4.8±0.1)VDC
Power supply (u+)	15V±1.5VDC
Current without load	≤ 10mA
Output resistance	≤ 1KΩ
Over voltage	20VDC
Reverse voltage	-20VDC
Ripple voltage	≤10mVrms
Insulation resistance	≥ 100MΩ@50VDC
Electrical connection	Y4-4ZJBM (with 1.5m cable)

Environmental

Working temperature	-40°C~60°C
Storage temperature	-40°C~85°C
Vibration resistance	10g, 5–2000Hz
Shock resistance	20g, 11ms half sine

Mechanical

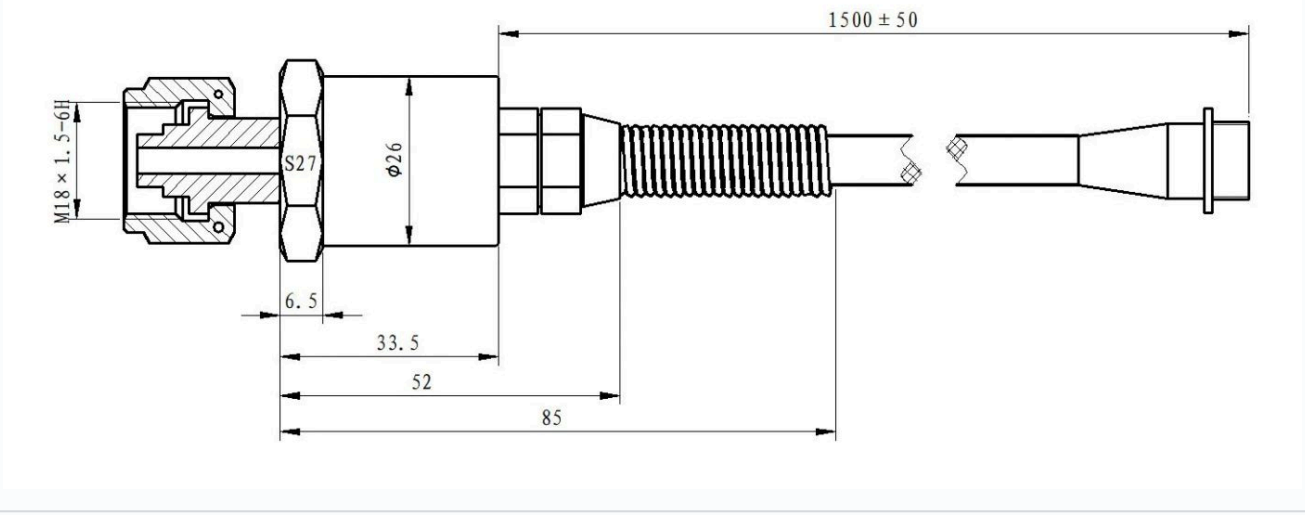
Pressure connection	M18 x 1.5 Female (with threaded sleeve)
Ingress protection	≥ IP65
Housing material	Default: 316L stainless steel
Medium compatibility	N2, He, kerosene (medium resistance for 6 months)
Mass	≤200g

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.