Pressure and level transmitters

Differential Pressure Transmitter, M12, G1/2 Port

Model CS-PT506

Piezoresistive differential pressure transmitter with 316L isolation diaphragms, 0–5bar range, 20MPa static pressure, ±0.5% accuracy and 4mA~20mA output.



Range	Accuracy
0–5bar	±0.5%
Output	**Protection**
4mA~20mA	IP65

Features

- Solid-state piezoresistive sensing chip
- M12 electrical interface, G1/2 external thread
- Fully sealed structure, IP65 enclosure
- Medium temperature -20°C~125°C, no freezing
- Housing in 304 or 316L

Applications

Liquid differential pressure measurement, Gas differential pressure measurement

Specifications

Performance

Reference conditions	25°C; supply 24VDC; relative humidity 45%~75%; ambient atmospheric pressure 86KPa~106KPa
Pressure range	0–5bar
Static pressure	20MPa
Accuracy at normal temperature	±0.5%
Long-term stability	±0.25%FS/year
Response time	(10%~90%) ≤10ms
Overload pressure	14bar

Electrical

Output signal	4mA~20mA
Supply voltage (u+)	10VDC~30VDC

Output load	≤ (U+ -10)/0.023Ω (max. 600Ω)
Insulation resistance	≥200MΩ@200VDC
Insulation strength	500VDC@60S, no arcing or breakdown
Electrical interface	M12

Environmental

Ambient temperature	-30°C~85°C
Medium temperature	-20°C~125°C (no freezing)
Compensated temperature	0°C~50°C
Storage temperature	-40°C~115°C
Ambient humidity (operating)	0–95%RH (non-condensing)
Ambient humidity (storage)	0–95%RH (non-condensing)

Mechanical

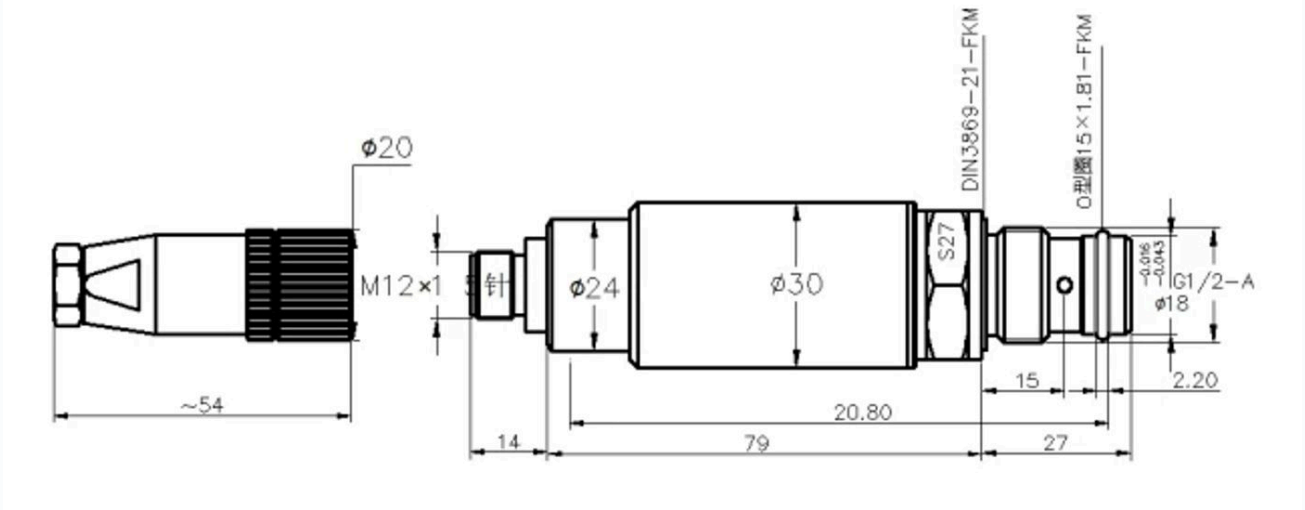
Pressure port	G1/2 external thread
Protection level	IP65
Medium composition	Non-corrosive liquids and gases
Housing material	304 or 316L

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.