Pressure and level transmitters

Ceramic Pressure Transmitter, DIN43650C or M12, NBR Seal

Model CS-PT1200A

Ceramic piezo-resistive pressure transmitter for 0...5~50bar gauge, with 4...20 mA output, 0.5 %F.S accuracy, NBR wetted seal and IP65 or better protection.



Range	Accuracy
0...5–50bar Gauge	±0.5% F.S.
Output	**Protection**
4mA~20mA	≥ IP65

Features

- DIN43650C or M12 electrical connection
- G1/4, NPT1/4 or G1/2 pressure connection
- 304 stainless steel housing
- Medium temperature -30°C~120°C
- Suitable for mass production

Applications

Pumps and compressors, Hydraulic and pneumatic systems, Machinery manufacturing, General pressure measurement

Specifications

Performance parameters

Reference conditions	Temperature: 25°C, power: 12VDC, RH: 45%~75%, Atmospheric pressure: 86KPa~106KPa
Pressure range	0...5–50bar Gauge
Output signal	4mA~20mA
Power supply (u+)	10–30VDC
Output load	≤(U+ - 10) / 0.023Ω
Over voltage	30VDC
Reverse voltage	-30VDC
Accuracy at room temperature	±0.5% F.S.
Medium temperature	-30°C~120°C
Storage temperature	-40°C~100°C

Long-term stability	±0.5%F.S / year
Settling time	(10%~90%) ≤10ms
Overload pressure	≥ 150%F.S
Burst pressure	≥ 200%F.S
Pressure connection	G1/4, NPT1/4, G1/2
Ambient temperature	-20°C~85°C

Mechanical

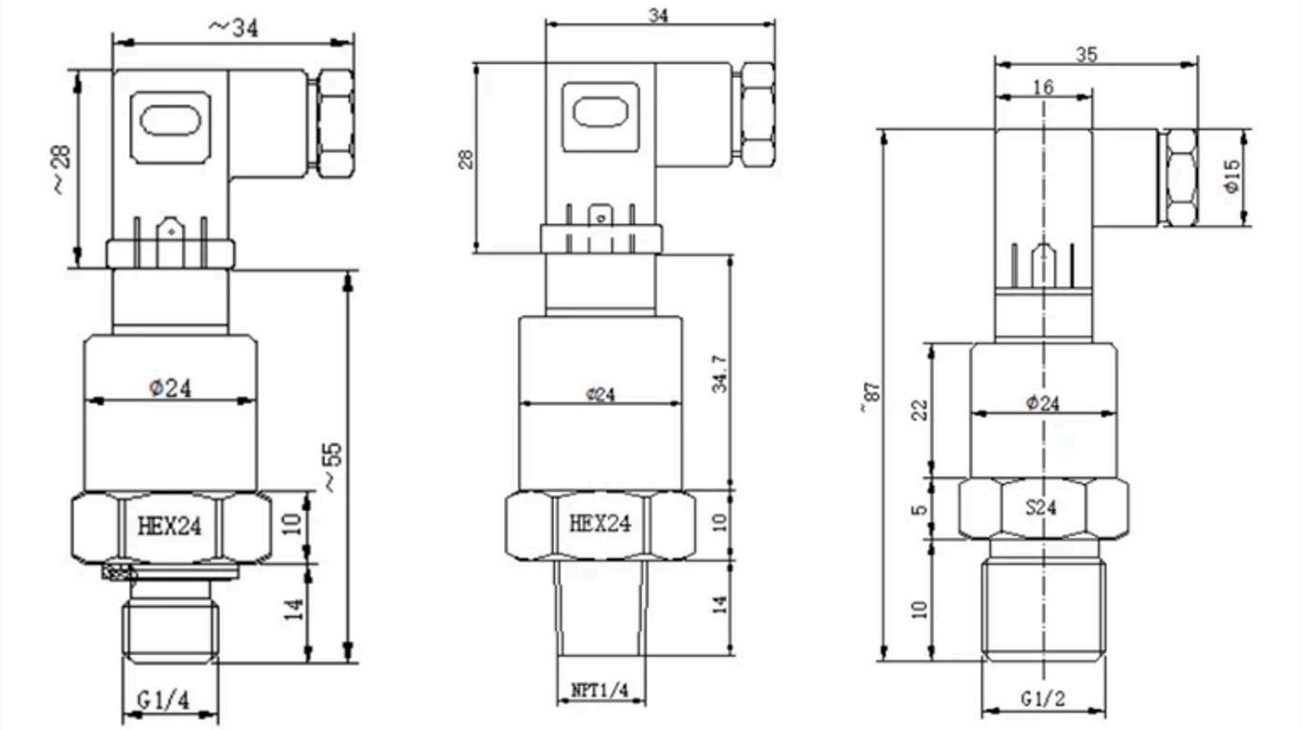
Electrical connection	DIN43650C, M12
Sealing materials for wetted part	NBR
Housing material	304 stainless steel
Insulation resistance	≥ 100MΩ@100VDC
Vibration resistance	10g, 5–2000Hz
Shock resistance	20g, 11ms half sine
Ingress protection	≥ IP65

Ordering and support

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

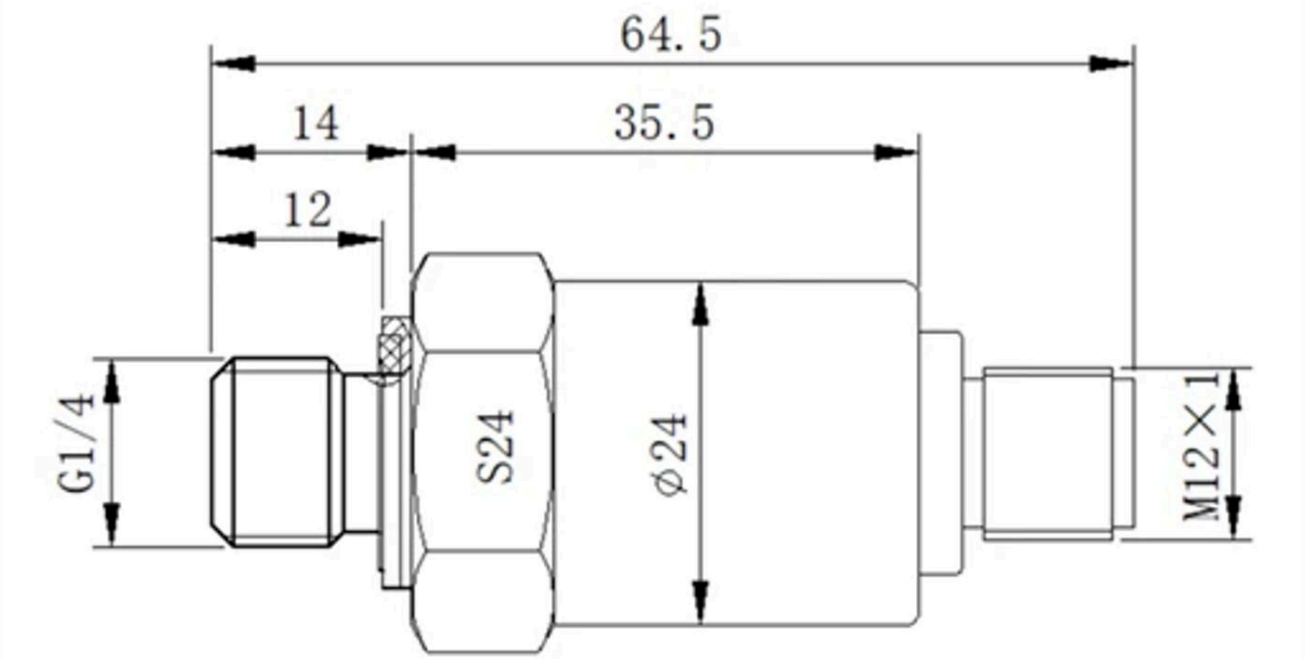
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Dimensions and wiring



DIN43650C Connector	Pin	Definition
	1	Power Supply+ (U+)
	2	Current Output (Io)
	3	
	⏚	Shield（PE）

M12x1 4-pin Connector	Pin	Definition
	1	Power Supply+ (U+)
	2	Current Output (Io)
	3	
	4	Shield（PE）



Drawings are for reference. Dimensions in millimetres unless stated.