

SS316L Pressure Transmitter

Description

XDB308 series of pressure transmitters incorporates advanced international piezoresistive sensor technology. They offer the flexibility to choose different sensor cores to suit specific applications. Available in all-stainless steel and SS316L thread packages, they provide excellent long-term stability and offer multiple signal outputs. With their versatility, they can handle various media compatible with SS316L and adapt to different circumstances, making them widely utilized across diverse industries.

Features

- ◆ All sturdy stainless steel & SS316L thread + hex
- ◆ Small and extremely compact size
- ◆ Complete surge voltage protection function
- ◆ Affordable price & economical solutions
- ◆ Provide OEM, flexible customization

Typical applications

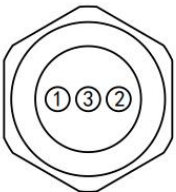
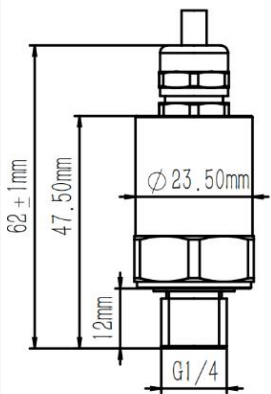
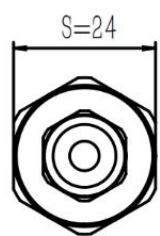
- ◆ Intelligent IoT constant pressure water supply
- ◆ Engineering machinery, industrial process control and monitoring
- ◆ Energy and water treatment systems
- ◆ Steel, light industry, environmental protection
- ◆ Medical, agricultural machinery and testing equipment
- ◆ Flow measurement equipment
- ◆ Hydraulic and pneumatic control systems

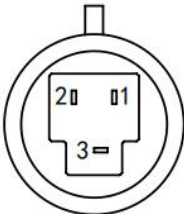
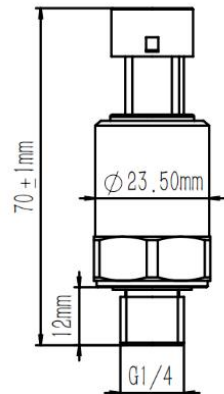
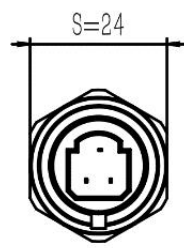


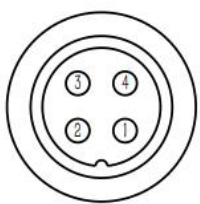
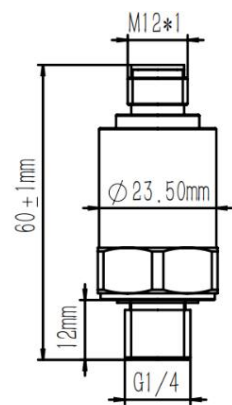

Parameters

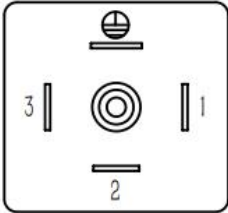
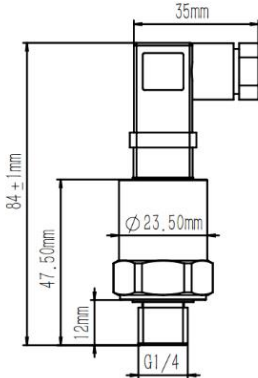

Pressure range	-1~0~600 bar	Accuracy	±0.5%FS / ±1.0%FS
Input voltage	DC 9~36 V, 5V, 12V, 3.3V	Long-term stability	≤±0.2% FS/year
Output signal	4-20mA / 0-10V / I ² C (Others)	Response time	≤3ms
Thread	G1/2, G1/4, NPT1/4	Overload pressure	150% FS
Insulation resistance	>100 MΩ at 500V	Burst pressure	300% FS
Electrical connector	Hirschmann DIN43650C/ M12(4PIN)/Gland direct cable/Packard	Cycle life	500,000 times
Operating temperature	-40 ~ 105 °C		
Compensation temperature	-20 ~ 80 °C	Housing material	316L stainless steel
Operating current	≤3mA	Protection class	IP65/IP67
Temperature drift (zero&sensitivity)	≤±0.03%FS/ °C	Weight	≈0.25kg

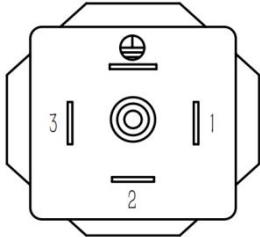
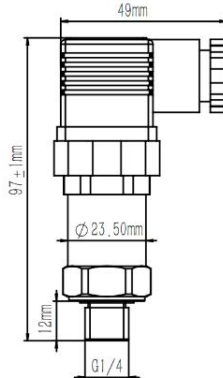
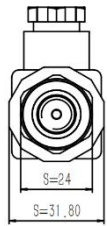
Dimensions(mm) & electrical connection

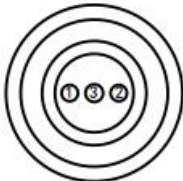
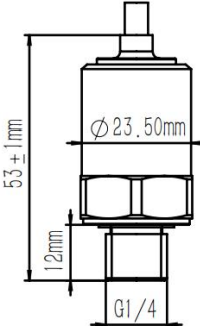

Gland direct cable		XDB308-G1-W1	
	4-20mA: Red: Supply+① Black: Output+②		
	0-10V: Red: Supply+① Black: GND② White: Output+③		

Packard		XDB308-G1-W2	
	4-20mA: Red: Supply+① Black: Output+②		
	0-10V: Red: Supply+① Black: GND② Yellow: Output+③		

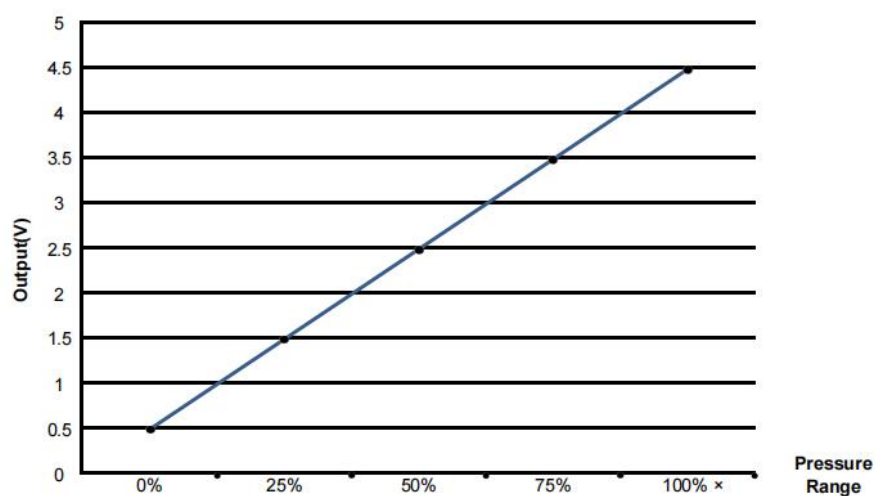
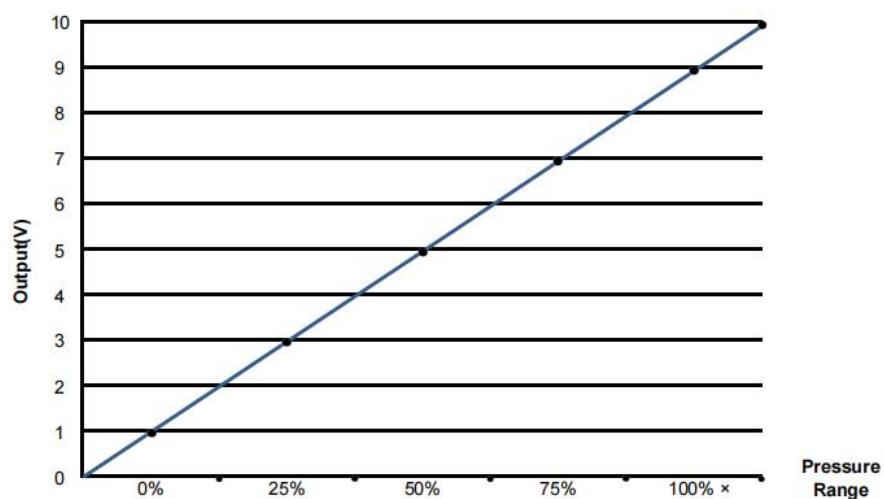
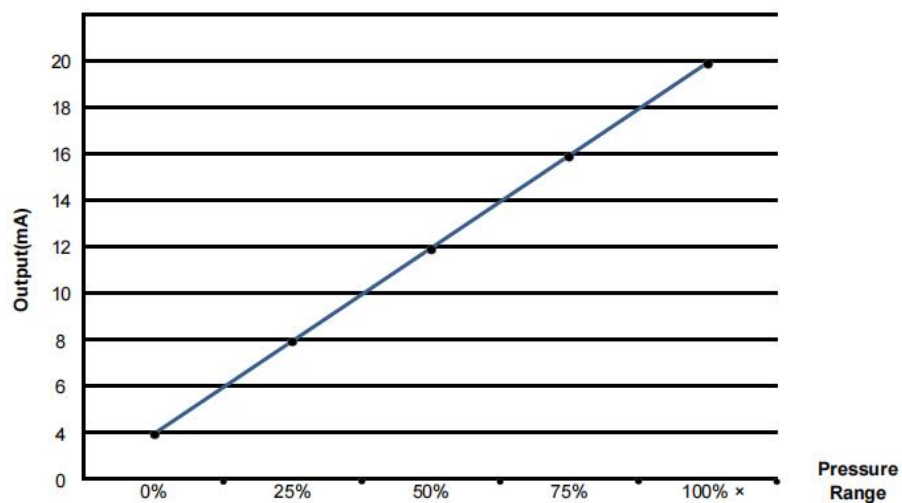
M12-4 pin		XDB308-G1-W4	
	4-20mA: Brown: Supply+① Blue: Output+③		
	0-10V: Brown: Supply+① Black: GND③ Blue: Output+④		

Hirschmann DIN43650C		XDB308-G1-W5	
	4-20mA: Red: Supply+ ① Black: Output+ ②		
	0-10V: Red: Supply+ ① Black: GND ② White: Output+ ③		

Hirschmann DIN43650A		XDB308-G1-W6	
	4-20mA: Red: Supply+ ① Black: Output+ ②		
	0-10V: Red: Supply+ ① Black: GND ② White: Output+ ③		

Direct plastic cable		XDB308-G1-W7	
	4-20mA: Red: Supply+ ① Black: Output+ ②		
	0-10V: Red: Supply+ ① Black: GND ② Yellow: Output+ ③		

Output Curve



How to order

E.g. **XDB308- 0.6M - 01 - 2 - A - G3 - W6 - b - 03 - Oil**

1	Pressure range	0.6M
	M(Mpa) B(Bar) P(Psi) X(Others on request)	
2	Pressure type	01
	01(Gauge) 02(Absolute)	
3	Supply voltage	2
	0(5VDC) 1(12VDC) 2(9~36(24)VDC) 3(3.3VDC) X(Others on request)	
4	Output signal	A
	A(4-20mA) B(0-5V) C(0.5-4.5V) D(0-10V) E(0.4-2.4V) F(1-5V) G(I ² C) X(Others on request)	
5	Pressure connection	G3
	G1(G1/4) G3(G1/2) N2(NPT1/4) X(Others on request)	
6	Electrical connection	W6
	W1(Gland direct cable) W2(Packard) W4(M12-4 Pin) W5(Hirschmann DIN43650C) W6(Hirschmann DIN43650A) W7(direct plastic cable) X(Others on request)	
7	Accuracy	b
	b(0.5% FS) c(1.0% FS) X(Others on request)	
8	Paired cable	03
	01(0.3m) 02(0.5m) 03(1m) X(Others on request)	
9	Pressure medium	Oil
	X(Please note)	

Notes:

- 1) Please connect the pressure transmitter to the opposite connection for different electric connector.
If the pressure transmitters come with cable, please refer to the right color.
- 2) If you have other requirements, please contact us and make notes in the order.