

Industrial Pressure Transmitters

Description

XDB305T series of pressure transmitters utilize international advanced piezoresistive sensor technology, and offer the flexibility of selecting different sensor cores to meet specific application demands. Encased in a robust all-stainless steel package and with multiple signal output options, they exhibit exceptional long-term stability and are compatible with a wide range of media and applications. The bump design on the thread bottom guarantees a reliable and effective seal.

Features

- ◆ Bump design at the bottom of the thread
- ◆ All sturdy stainless steel structure
- ◆ Small and compact size
- ◆ Complete surge voltage protection function
- ◆ Affordable price & economical solutions
- ◆ Provide OEM, flexible customization

Typical applications

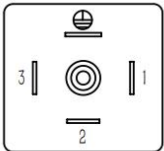
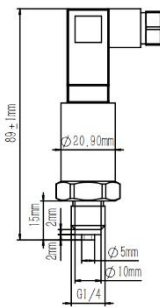
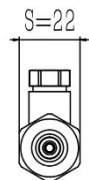
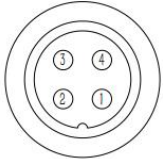
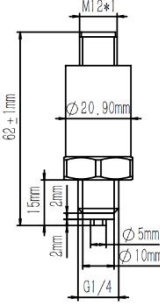

- ◆ Intelligent IoT constant pressure water supply
- ◆ Engineering machinery, industrial process control and monitoring
- ◆ Energy and water treatment systems
- ◆ Steel, light industry, environmental protection
- ◆ Medical, agricultural machinery and testing equipment
- ◆ Flow measurement equipment
-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



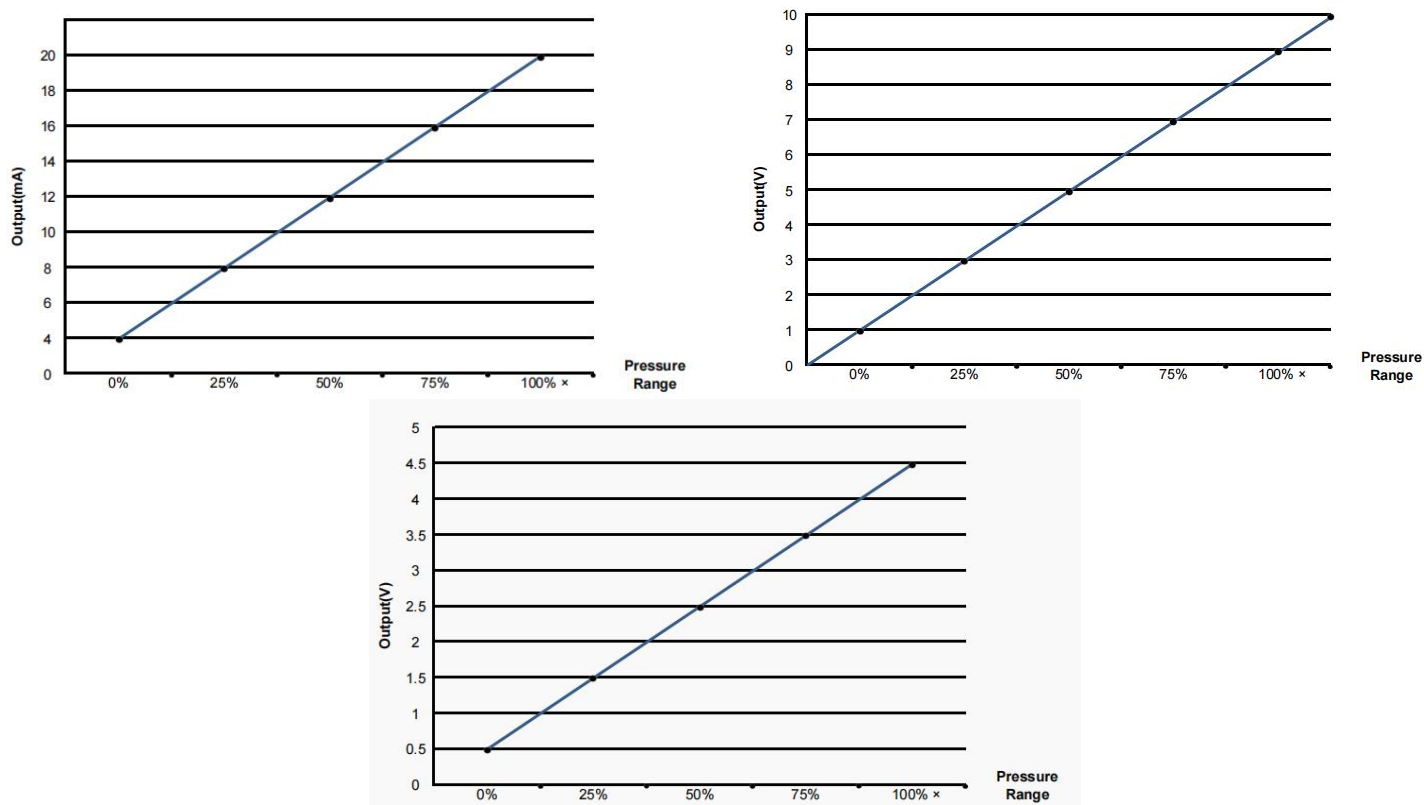
Parameters

Pressure range	-1~600 bar (optional)	Accuracy	±0.5%FS / ±1.0%FS
Input voltage	DC 9~36 V, 3.3V	Long-term stability	≤±0.2% FS/year
Output signal	4 - 20mA / I ² C / Others	Response time	≤3ms
Thread	G1/4	Overload pressure	150% FS
Electrical connector	M12 (4 Pin) / Hirschmann DIN43650C	Burst pressure	300% FS
Insulation resistance	> 100 MΩ at 500V	Cycle life	500,000 times
Operating temperature	-40 ~ 105 °C	Housing material	SS304
Compensation temperature	-20 ~ 80 °C	Protection class	IP67 / IP65
Operating current	≤3mA	Sensor material	96% Al ₂ O ₃
Temperature drift (zero&sensitivity)	≤±0.03%FS/ °C	Weight	≈0.15kg

Dimensions(mm) & electrical connection

Hirschmann DIN43650C		XDB305T-G1-W5	
	<p>RED: Supply+ ①</p> <p>BLACK: GND ②</p> <p>White: Output+ ③</p>		
M12-4 pin		XDB305T-G1-W4	
	<p>Brown: Supply+ ①</p> <p>Black: GND ③</p> <p>Blue: Output+ ④</p>		

Output Curve



How to order

E.g. **XDB305T- 0.6M - 01 - 2 - A - G1 - W5 - 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	G1
	G1(G1/4) G2(G1/8) N1(NPT1/8) P2(PT1/4) X(Others on request)	
6	Electrical connection	W5
	W4(M12-4 pin) W5(Hirschmann DIN43650C) 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.

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