

Industrial Pressure Transmitters

Description

XDB309 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, thus they are widely used in various industries and fields.

Features

- ◆ All sturdy stainless steel & special structure design
- ◆ Small and compact size
- ◆ Complete surge voltage protection function
- ◆ Affordable price & economical solutions
- ◆ Provide OEM, flexible customization



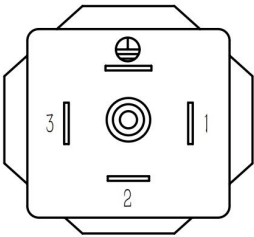
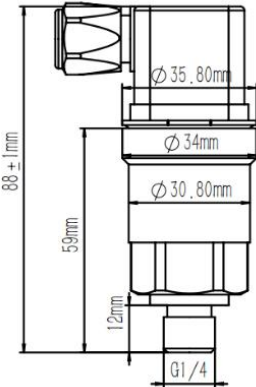
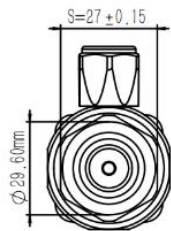
Typical applications

- ◆ 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

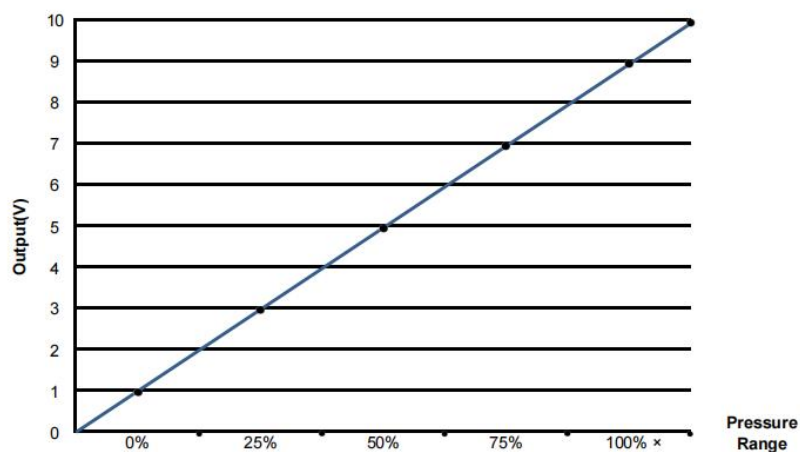
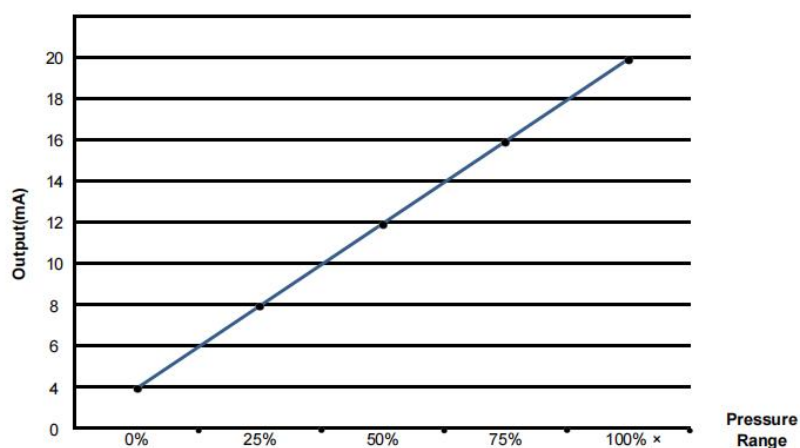
Parameters

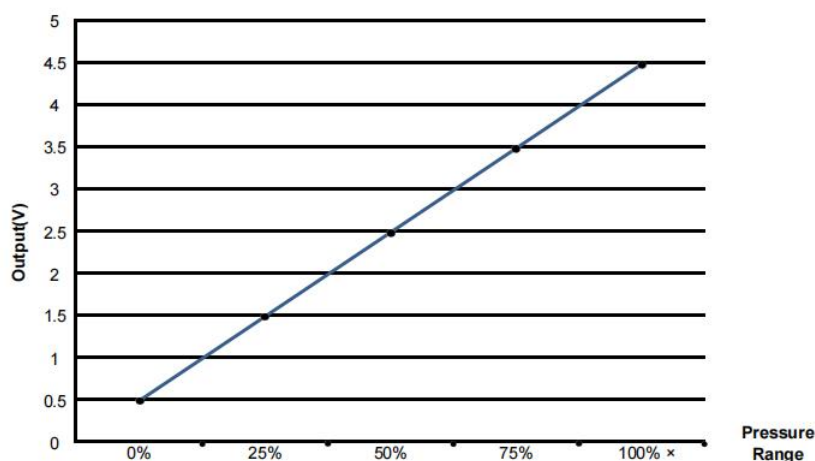
Pressure range	-1~0~600 bar	Accuracy	±0.5%FS / ±1.0%FS
Input voltage	DC 9~36(24)V	Long-term stability	≤±0.2% FS/year
Output signal	4-20mA / 0-10V, others	Response time	≤3ms
Thread	G1/2, G1/4	Overload pressure	150% FS
Electrical connector	Hirschmann DIN43650A	Burst pressure	300% FS
Insulation resistance	>100 MΩ at 500V	Cycle life	500,000 times
Operating temperature	-40 ~ 105 °C		
Compensation temperature	-20 ~ 80 °C	Housing material	304 stainless steel
Operating current	≤3mA	Protection class	IP65
Temperature drift (zero&sensitivity)	≤±0.03%FS/ °C	Weight	≈0.25kg

Dimensions(mm) & electrical connection

Hirschmann DIN43650A		XDB309-G1-W6	
	4-20mA: Red: Supply+① Black: Output+②		
	0-10V: Red: Supply+① Black: GND② White: Output+③		

Output Curve





How to order

E.g. **XDB309- 25M - 01 - 2 - A - G1 - W6 - b - 03 - Oil**

1	Pressure range	25M
	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) X(Others on request)	
6	Electrical connection	W6
	W6(Hirschmann DIN43650A) 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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