

## Industrial Diffused Silicon Pressure Transmitters

### Description

XDB311(A) series of pressure transmitters feature imported high-quality MEMS silicon in combination with the XIDIBEI's unique design and years of process experience production plus SS316L flush type isolation diaphragm. The production process of each product has undergone strict aging, screening and testing processes to ensure its excellent quality and high reliability.

### Features

- ◆ High accuracy to 0.5%
- ◆ Small size and dual seals on the thread
- ◆ Affordable price & economical solutions
- ◆ Anti-clogging and hygienic flush type design
- ◆ Strong anti-interference & good long-term stability
- ◆ Excellent corrosion resistance and reliability
- ◆ Provide OEM, flexible customization



### Typical applications

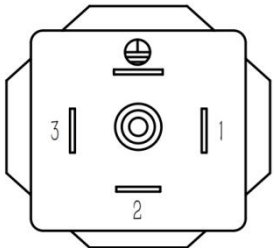
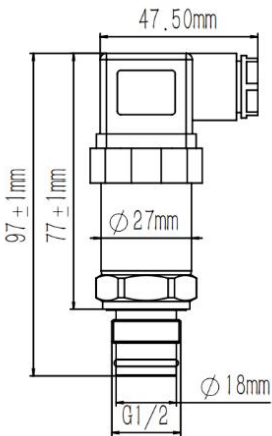
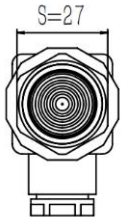
- ◆ Suitable for chemical coating, paint, mud, asphalt, crude oil and other viscous media pressure measurement and control.
- ◆ Especially suitable for pressure measurement in food, medical equipment and other hygienic fields.



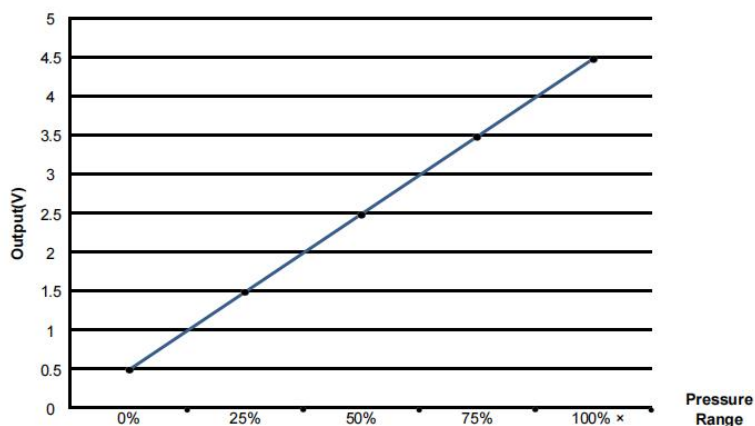
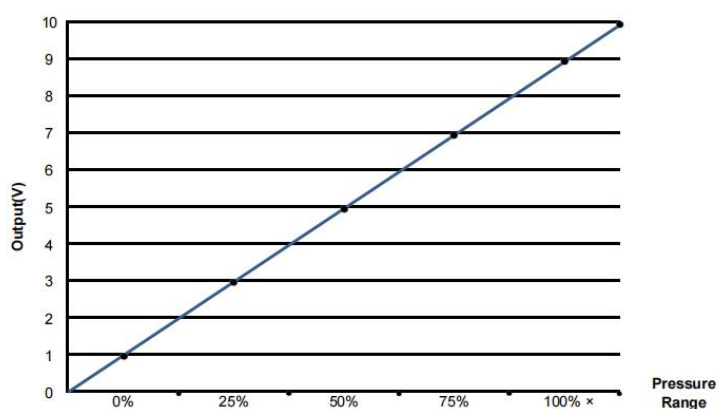
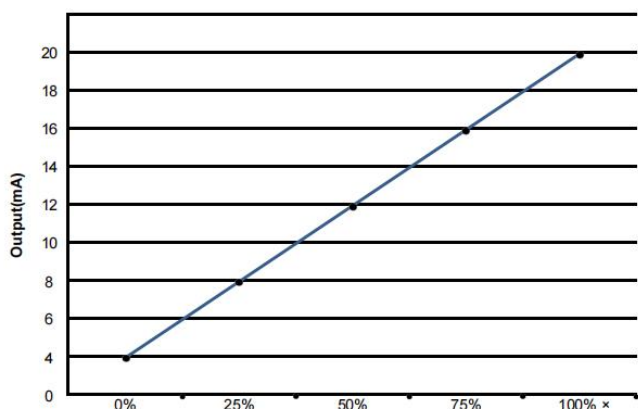
### Parameters

Pressure range	2~400bar	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	Overload pressure	150% FS
Electrical connector	DIN 175301-803 A	Burst pressure	300% FS
Insulation resistance	>100 MΩ at 500V	Cycle life	500,000 times
Operating temperature	-40 ~ 85 °C	Housing material	304 stainless steel
Compensation temperature	0 ~ 70 °C	Diaphragm material	316L stainless steel
Operating current	≤3mA	Protection class	IP65
Temperature drift (zero&sensitivity)	≤±0.03%FS/ °C	Weight	≈0.21kg

## Dimensions(mm) & electrical connection

DIN 175301-803 A		XDB311(A)	
	<b>4-20mA:</b> <b>Red: Supply+①</b> <b>Black: Output+②</b>		
	<b>0-10V:</b> <b>Red: Supply+①</b> <b>Black: GND②</b> <b>White: Output+③</b>		

## Output Curve



**How to order**E.g. **XDB311A- 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) X(Others on request)	
4	Output signal	A
	A(4-20mA) B(0-5V) C(0.5-4.5V) D(0-10V) F(1-5V) X(Others on request)	
5	Pressure connection	G3
	G3(G1/2) X(Others on request)	
6	Electrical connection	W6
	W6(DIN 175301-803 A) 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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