

## XGZP6802 Pressure Transmitter (Industrial Class)

### Feature

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- Diffusion Silicon Diaphragm sensor
- Integrally test& temperature compensation for full temp.range
- Anti-shock,anti-vibration,anti-interference
- Reversed-polarity protection
- Zero&FS calibration available
- Automatic production manufacturing, stable and reliable



### Introduction

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XGZP6802 Pressure Transmitter designed to meet the industrial environments. It is structured by Piezo-resistive OEM sensor with Diffusion Silicon diaphragm as signal sensing element, the advanced ASIC amplifier circuit and stainless steel housing. The transmitter is integrally temperature compensated. Through strict component making, semi-finished product and all-finished product testing and aging, the transmitter is stable and reliable, having excellent flexibility, sensitivity and diversity.

XGZP6802 Pressure Transmitter is Zero and Span adjustable by potentiometer in actual application. It is widely used for measure and controlling of fluid, air pressure in the industry process detection, chemi-industry, electric power, hydrology, geology etc.

### Construction Materials:

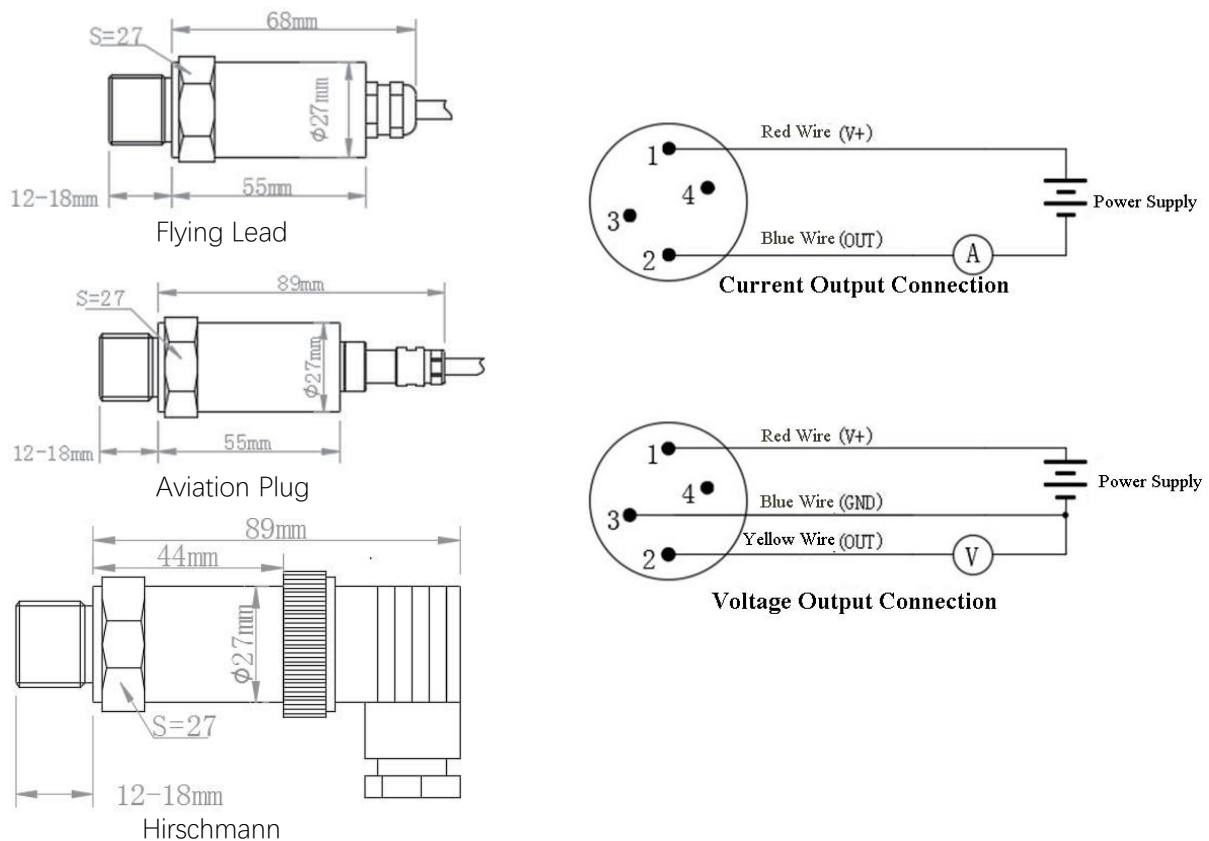
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- Ripple diaphragm: 316 Stainless steel
- Sensor Housing: 304 Stainless steel
- Transmitter Housing: 304 Stainless steel
- Seal O-ring: Viton
- Plug connection: ABS Plastic

**Performance Parameter:**

Range	-100kPa…0kPa ~ 10kPa…100MPa
Pressure Type	Gauge, Seal Gauge, Negative, Absolute
Pressure Port	M20×1.5, G1/4, G3/4, 1/4NPT, 3/8NPT/1/8NPT etc
Electrical connection	HIRSCHMAN, Cable, Aviation
Accuracy	0.25%FS / 0.1%FS
Long Term Stability	±0.1%FS/year
Temp.Shift	±0.01%FS/°C
Overload	2 times FS
Response Frequency	≤500Hz
Antivibration	25g(20…2000Hz)
Operating Temp.	-40 ~ 85 °C
Storage Temp.	-40 ~ 85 °C
Power Input	9 ~ 36VDC
Output signal	4 ~ 20mA DC(2 wire); 0 or 1V ~ 5V DC/0-10V DC(3 wire)
Max Power(Current/Voltage/RS485)	≤0.02Us / ≤0.008Us / ≤0.015Us <sup>①</sup>
Load Resistance(Current/Voltage)	≤{ (Us-7) ÷0.02 }Ω <sup>①</sup> / ≥100KΩ
IP Grade	IP65

Remarks: ①US= Power Supply

**Products Specification& Connection:**


**Order Guide:**

XGZP6802 Pressure Transmitter							
Code		Electrical Connection					
H		HIRSCHMANN (No wire)					
A		Aviation Plug (1m wire)					
L		Flying lead (1m wire)					
Code		Pressure Range					
		See following table					
Code		Output Signal					
A1		4-20mA					
V4		1-5VDC					
V5		0-5VDC					
V10		0-10VDC					
RS		RS485 interface, MODBUS protocol					
DZ		Customized					
Code		Pressure Port					
		See following table					
Code		Accuracy Grade					
A		0.1%FS					
B		0.25%FS					
Code		Power Supply					
G		9-36VDC					
DZ		Customized					
Code		Customized					
D		More requirement					
N		Normal					
XGZP6802	H	12	A1	14	B	G	

PRESSURE PORT							
CODE	PORT	CODE	PORT	CODE	PORT	CODE	PORT
01	M6*1	02	M8*1	03	M8*1.25	04	M10*1
05	M10*1.5	06	M12*1	07	M12*1.25	08	M12*1.5
09	M14*1	10	M14*1.5	11	M16*1	12	M16*1.5
13	M18*1.5	14	M20*1.5	15	M27*2	16	G1/8
17	G1/4	18	G3/8	19	G1/2	20	G3/4
21	G1	22	1/8NPT	23	1/4NPT	24	3/8NPT
25	1/2NPT	26	3/4NPT	27	ZG1/8	28	7/16UNF

PRESSURE RANGE							
CODE	RANGE	CODE	RANGE	CODE	RANGE	CODE	RANGE
01	0..1kPa	02	0..2kPa	03	0..5kPa	04	0..10kPa
05	0..20 kPa	06	0..50kPa	07	0..100kPa	08	0..200kPa
09	0..400 kPa	10	0..500 kPa	11	0..600 kPa	12	0..1MPa
13	0..1.6MPa	14	0..2.5MPa	15	0..4MPa	16	0..6MPa
17	0..10MPa	18	0..16MPa	19	0..20MPa	20	0..25MPa
21	0..30MPa	22	0..35MPa	23	0..40MPa	24	0..60MPa
25	0..70MPa	26	0..80MPa	27	0..100MPa	28	10 kPa (A)
29	30 kPa (A)	30	50 kPa (A)	31	100 kPa (A)	32	200 kPa (A)
33	500 kPa (A)	34	1MPa (A)	35	2MPa (A)	36	±1 kPa
37	±2 kPa	38	±5 kPa	39	±10 kPa	40	±20 kPa
41	±30 kPa	42	±40 kPa	43	±50 kPa	44	±100 kPa
45	-100-200 kPa	46	-100..500kPa	47	-0.1..1MPa	48	0..-1kPa
49	0...-2kPa	50	0..-3 kPa	51	0..-5 kPa	52	0..-10 kPa
53	0..-20 kPa	54	0..-30 kPa	55	0..-50 kPa	56	0..-100 kPa
57	-1 kPa..0	58	-2 kPa..0	59	-3 kPa..0	60	-5 kPa..0
61	-10 kPa..0	62	-20 kPa..0	63	-30 kPa..0	64	-40 kPa..0
65	-50 kPa..0	66	-100 kPa..0	67	Customized		

Remark:A=Absolute Pressure, Other is Gauge Pressure.(range≤5kPa only for dry air)

- 1 Attention that the media should be compatible with the contacted pressure parts.
- 2 Optional for replacing special seal O-ring that suitable for different media and emperature(Min.-40°C)
- 3 Please contact us for customized products and note in order.





### 【 SAFETY NOTES 】

Using these sensors products may malfunction due to external interference and surges, therefore, please confirm the performance and quality in actual use. Just in case, please make a safety design on the device (fuse, circuit breaker, such as the installation of protection circuits, multiple devices, etc.), so it would not harm life, body, property, etc even a malfunction occurs.

To prevent injuries and accidents, please be sure to observe the following items:

- The driving current and voltage should be used below the rated value.
- Please follow the terminal connection diagram for wiring. Especially for the reverse connection of the power supply, it will cause an accident due to circuit damage such as heat, smoke, fire, etc.
- In order to ensure safety, especially for important uses, please be sure to consider double safety circuit configuration.
- Do not apply pressure above the maximum applied pressure. In addition, please be careful not to mix foreign matter into the pressure medium. Otherwise, the sensor will be discarded, or the media will be blown out and cause an accident.
- Be careful when fixing the product and connecting the pressure inlet. Otherwise, accidents may occur due to sensor scattering and the blowing out of the media.
- Because the Pressure sensor body is sold, please be careful not to hurt your body when using it.

**【 WARRANTY 】**

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