

Flush Diaphragm Pressure Transmitter XY-PTGP

Typical Feature

- Clamp flush diaphragm meets 3-A Sanitary Standards
- Stainless steel shell can be used in width Measured Medium
- Output signals 4 ~ 20mA, 0 ~ 5VDC, 0~10VDC ,1-5VDC
- Reverse polarity, instantaneous Overcurrent and Overvoltage protection
- Applied to High stability and sensitivity for high temperature,
- high viscosity and the medium are prone to clogging, or Food,
- Pharmaceuticals and Biotechnology
- Customized structure diversification is available.











Brief Introduction

XUYAN XY-PTGP Flush Diaphragm Pressure Transmitter, with stainless steel shell and laser-welded construction, is designed to suit 3-A sanitary standards; IP65 Ingress Protection, and Safety Explosion-proof, these performances makes it able to withstand harsh rugged application environments. In addition, this flush diaphragm pressure transducer also has the following advantages: high precision, fast response, small size, light weight, stable and reliable, strong overload capacity.

High stability and sensitivity for high temperature, high viscosity and the medium is prone to clogging, all this performance makes XY-PTGP flush diaphragm pressure transmitter/transducer can be used in food and beverage, pharmaceuticals and biotechnology, chemical glue, mobile working machine and tunneling application, such as air, oil, water and others fluid; Thoughtful specialized electric circuit design; ultra-high precision absolute pressure calibration equipment calibration; Accuracy class 0.25%; 0.5%. 4 ~ 20mA, 0 ~ 5VDC, 0~10DC standard electrical signal output with remote transmission alternative; Measurement Range: -100KPa~60 MPa., other measurement range is optional. Temperature Stability Index can be increased to 0.02%/FS/oC by using sensor temperature self-compensation and specialized circuit debugging.

Suggested Applications

-  Food and Pharmaceutical,
-  Beverage Processing,
-  Biological Products,
-  Chemical Glue,
-  Construction Machinery
-  Tunnel Excavation
-  Medical Equipment
-  Others automatic control and inspection systems

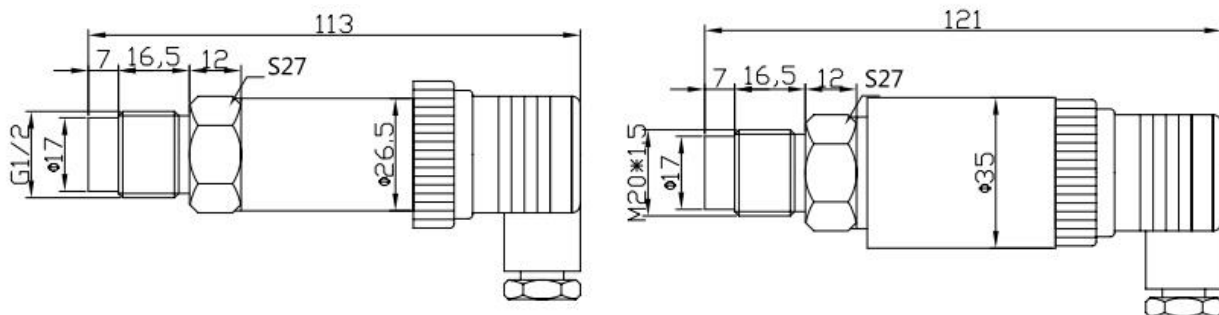
[More details for XY-PTGP, please contact us.](#)

Specification

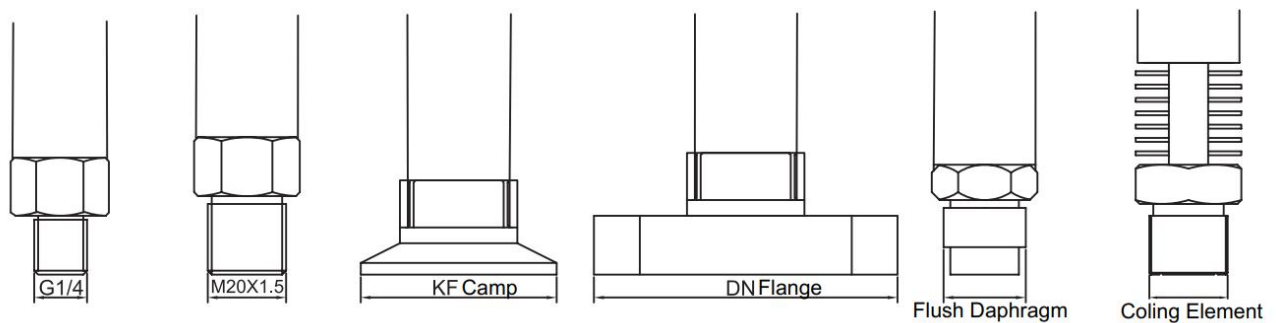
Model	XY-PTGP
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General Pressure Range	-100KPa~0~1~5~10~25~60MPa
Pressure Type	Gauge Pressure Test
Dimension	Diameter Φ27
Overload Capacity	200-400%
Measurement Medium	Gas or Liquid with Compatibility of SS 304 or SS316
Output Single	4 ~ 20Ma, 0 ~ 5VDC, 0~10VDC
Power Supply	9-32VDC, Typical 24VDC
Insulating Strength	>100MΩ at 500VDC excitation
Accuracy	0.25%, 0.5%
Long-Term Stability/Year	Typical: ±0.2% FS/Year
Zero Temperature Drift	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C
Sensitivity Temperature Drift	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C
Response Time	≤1ms
Mechanical Life	≥5Million Pressure Cycle
Operation Temperature	-30 ~ 100°C; -40 ~ 125°C
Compensation Temperature	0 ~ 60°C
Load Resistance	≤[(U-6.6V)/0.02A] Ω
IP Protection Class	IP65; IP67; IP68

Dimension(mm)



Mechanical Connection(mm)



Electronic Connection

4-20mA(2-Wire)	Input +	Red
	Output+	Black
0-10V,0-5V(3-Wire)	Input +	Red
	Input -	Black
	Output+	Green

How To Order

XY-PT	G		KF		4M		1		A		P2		M3		B1		T1		L	
	Type		Pressure Connection		Pressure Range		Accuracy		Output		Power		Thread		Electrical Connection		dium Temperatu		Additional	
G	General		None	General	XK	(0-XKPa)	1	0.15%	A	4-20mA	P1	5V	M1	M20*1.5	A	HIRSCHMANN	T1	-20~80°C	L	With Display
GA	Absolute Pressure		P	Diaphragm Seals	XB	(0-XBar)	2	0.25%	R	RS485	P2	24V	M2	G1/4	B	Cable Outlet	T2	-20~120°C	I	Explosion-Proof
DP	Differential Pressure		DP	Differential Pressure	XM	(0-XMPa)	3	0.50%	V1	0-10V	P3	12-28V	M3	G1/2	C	Circular Connector	T3	0~150°C		
GR	IoT		KF	Clamp	CC	Customized	4	1.00%	V2	0-5V	P6	12V	M4	1/2NPT	CC	Customized	T9	Customized		
GT	Temperature& Pressure		DN	Flange			9	Customized	V3	0.5-4.5V	P9	Customized	M5	1/4NPT						
MT	Mini Thickness		1210	Explosion Proof					CC	Customized			M7	ZG1/4						
MK	Economic		9999	Customized									M9	Customized						
HF	High Frequency																			
A	Air Conditioning																			
B	Ink Corrosion Resistance																			
C	Air Compressor																			
M	Hydraulic Pressure																			
W	Water Pressure																			

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