

Pressure Transmitter XY-PTG

Typical Feature

- Measurement Range -100KPa~100MPa, composite range is available
- High-precision maximum accuracy 0.15% FS; optional 0.25%FS;0.5%FS
- 9~32VDC Power supply, EMI Protection
- Output 4 ~ 20mA; optional 0 ~ 5V, 0~10V
- Wide measurement field, even corrosion, easy crystallize medium.
- Stainless Steel material with fully sealed structure
- Customized structure diversification is available.















Brief Introduction

XY-PTG high precision pressure transmitter, with stainless steel shell and laser welded construction, IP65 ingress protection, and safety explosion-proof design, is able to withstand harsh rugged application environments. In addition, it has excellent performance such as high precision, fast response, small size, light weight, stable and reliable, strong overload capacity.

XY-PTG high precision pressure transducer is designed for most medium in industry, such as air, oil, water and other fluid; Thoughtful specialized electric circuit design, after ultra-high precision absolute pressure calibration equipment calibration, the accuracy class optional 0.15%; 0.25%; 0.5%; 4 ~ 20mA, 0 ~ 5VDC, 0~10VDC 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.

There are three pressure measurement types: gauge pressure, vacuum pressure and absolute pressure. Machinal joint includes thread, flush diaphragm, clamp, flange, radiator and differential Two-way Fitting.

Suggested Applications

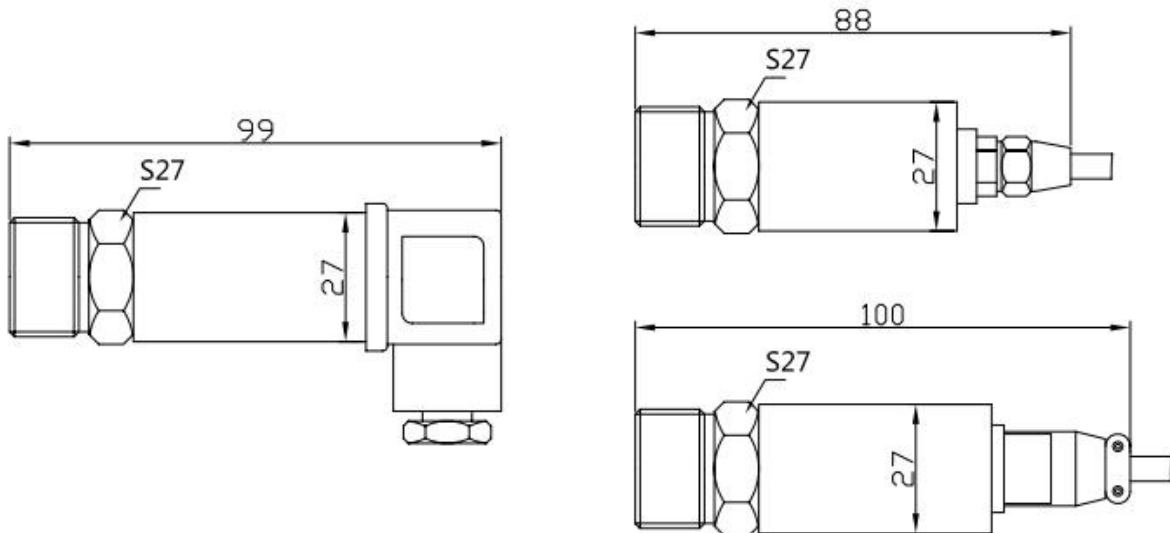
-  Hydrogeology
-  Medical Equipment
-  Machine Automation
-  Source and Water Treatment System
-  Medical Equipment
-  Hydraulic System
-  Pneumatic System
-  Agricultural Machinery
-  Pump & Compressor
-  Engineering Machinery
-  Pressure test jig
-  Customized Applications

More details for XY-PTG, please contact us.

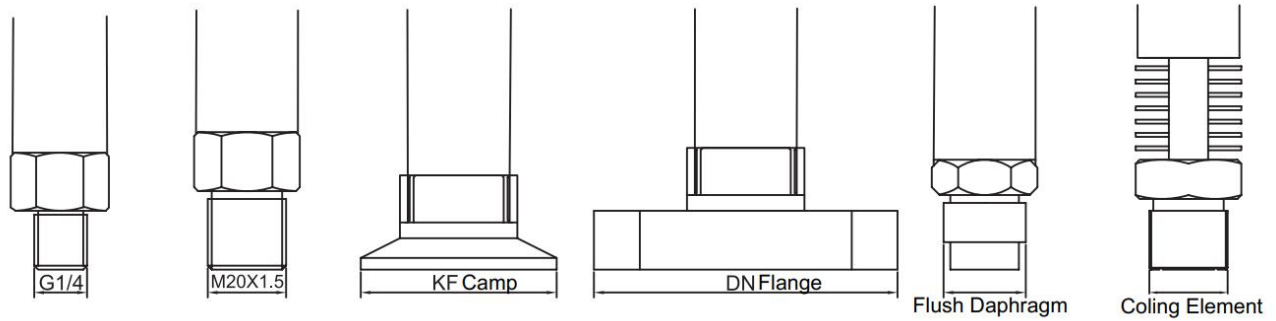
Specification

Model	XY-PTG
Gauge Pressure Range	-100KPa~0-5…100KPa…1 …5 …10 …25…60 MPa.
Absolute Pressure Range	0~5 …10 …20 …100 …1000KPa.
Pressure Type	Gauge Pressure Test, Vacuum Pressure, Absolute Pressure Test
Dimension	Diameter Φ27
Overload Capacity	200%(≤10MPa); 150%(>10MPa)
Measurement Medium	Gas or Liquid with Compatibility of SS 304 or SS316
Integrated Accuracy (Non-Linear, Repetitive, Delayed)	0.15%FS;0.25%FS;0.5%FS
Long-Term Stability/Year	Typical: ± 0.1% FS; Maximum ±0.15%FS/Year
Zero Temperature Drift	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C
Response Time	≤2ms
Operation Temperature	-40~85°C
Compensation Temperature	-10 ~ 70°C
Environmental Temperature	-40 ~ 100°C
Power Supply	9 ~ 32VDC (Typical 24VDC)
Signal Output	4 ~ 20mA, 0 ~ 5V, 0~10V
Load Resistance	≤(U-15)/0.02 Ω
IP Protection Class	IP65; IP67

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	diuum 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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