

Absolute Pressure Transmitter XY-PTGA

Typical Feature

- ◆ Measurement Range 0~5KPa··10KPa··100KPa····1MPa····100MPa
- ◆ High-Precision accuracy 0.1% FS
- ◆ Temperature stability index 0.01%/FS/o C
- ◆ Weld suitable medium, even corrosion and easy crystallize medium
- ◆ Stainless Steel material with fully sealed structure
- ◆ Automatic check for long-term online measurement
- ◆ Customized structure diversification is available



Brief Introduction

XY-PTGA high precision absolute pressure transmitter/transducer is a new type of absolute pressure sensor developed by XUYAN precision. As an absolute pressure measurement device, this product has high precision, fast response, small size, light-weight, stable and reliable, strong overload capacity.

XY-PTGA absolute pressure transmitter/transducer is designed for most medium, such as air, oil, water and other fluid; 4 ~ 20mA and 0 ~ 5VDC standard electrical signal output with remote transmission alternative; Measurement range: 0~5Kpa, 0~10 Kpa, 0~100 Kpa, 0~1 Mpa, 0~100 MPa, other measure ranges are optional. Thoughtful specialized electric circuit design; after ultra-high precision absolute pressure calibration equipment calibration; Accuracy cab be 0.1%; Temperature stability index can be increased to 0.01%/FS/oC by using sensor temperature self-compensation and specialized circuit debugging.

Machinal joint include thread, flush diaphragm, clamp, flange, radiator and differential two-way fitting.

Suggested Applications

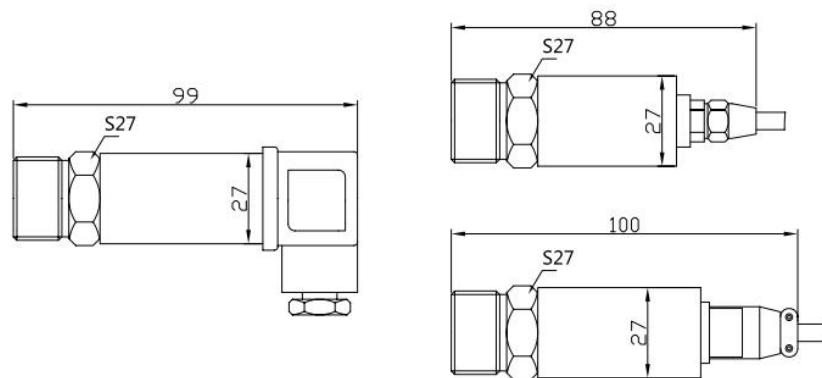
- ✚ Aerospace
- ✚ Petroleum
- ✚ Oil and Gas
- ✚ Chemical Industry
- ✚ Metallurgy
- ✚ Power Station
- ✚ Building Materials
- ✚ Hydrogeology
- ✚ Medical Treatment
- ✚ Environmental protection and other scientific research and production fields

More details for XY-PTGA, please contact us.

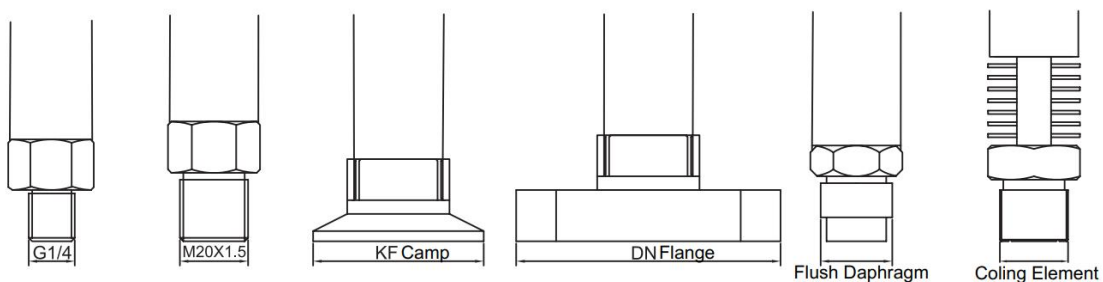
Specification

Model	XY-PTGA-100	XY-PTGA-200	XY-PTGA-300
Pressure Range	0~5KPa 0~10KPa	0~30KPa 0~100KPa	0~100KPa 0~100MPa
Pressure Type	Absolute Pressure Test		
Dimension	Diameter Φ27		
Overload Capacity	200%		
Measurement Medium	Gas or Liquid with Compatibility of SS316		
Integrated Accuracy (Non-Linear, Repetitive, Delayed)	0.1%FS;0.25%FS;0.5%FS		
Long-Term Stability/Year	Typical: ± 0.1% FS; Maximum ±0.15%FS/Year		
Zero Temperature Drift	Typical: ±0.01%FS/°C; Maximum ±0.15%FS/°C		
Sensitivity Temperature Drift	Typical: ±0.01%FS/°C; Maximum ±0.15%FS/°C		
Operation Temperature	-40~135°C		
Compensation Temperature	-20 ~ 80°C		
Environmental Temperature	-40 ~ 85°C		
Power Supply	9 ~ 32VDC (Typical 24VDC)		
Signal Output	4 ~ 20mA/0 ~ 5V		
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

XV-PT	G	KF	4M	1	A	P2	M3	B1	T1	L
Type	Pressure Connection	Pressure Range	Accuracy	Output	Power	Thread	Electrical Connection	diun Temperatu	Additional	
G	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	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	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	KF	Clamp	CC Customized	4 1.00%	V2 0-5V	P6 12V	M4 1/2NPT	CC Customized	T9 Customized	
GT	DN	Flange		9 Customized	V3 0.5~4.5V	P9 Customized	M5 1/4NPT			
MT	1210	Explosion Proof			CC Customized		M7 ZG1/4			
MK	9999	Customized					M9 Customized			
HF										
A										
B										
C										
M										
W										

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