

Hydraulic Pressure Transmitter XY-PTM

Typical Feature

- High Pressure Range 0~600MPa
- Accuracy 0.25%FS;0.5%FS,
- Powered by 9-32 VDC (Typical 24V), output 4-20mA
- Stainless steel structure, and weld process to keep good seal performance
- Excellent overload, shock resistance, long-term stability capacity
- Specially design for hydraulic condition



Brief Introduction










XY-PTM Pressure Transmitter is a hydraulic pressure sensor, designed for hydraulic system requirements, such as engine, hydraulic forming machine compressor, electric pump, hydraulic jack and so on, as the same it can be used in other filed, which has oil, sewage, steam and others medium environment. It is especially manufactured to against strong vibration and large force impact work conditions, includes anti-electromagnetic interference unit to improve the working stability under strong electromagnetic interference conditions, of electric pump and frequency conversion equipment.

XY-PTM Hydraulic Pressure Sensor has stainless steel shell and laser welded construction, IP65 and IP67 Ingress protection, and Safety explosion-proof. With these performances it is able to withstand harsh rugged application environments.

The pressure Transmitter is powered by 12-36 VDC or 5VDC, standard electrical signal output 4-20mA, 0-5VDC and 0-10VDC are optional, Measurement Range 0 ~ 100Kpa, 0-1Mpa, 0-10Mpa, 0-60Mpa ... 500Mpa, other customized measurement range is available, such as -100Kpa ~ 1Mpa; Thoughtful specialized electric circuit design, accuracy 0.5%FS, 1%FS, 2%FS; Long-Term Stability $\pm 0.2\%FS/Year$.

Machinal joint include Thread, Flush Diaphragm, Clamp, Flange, Radiator and Differential Two-way Fitting.

Suggested Applications

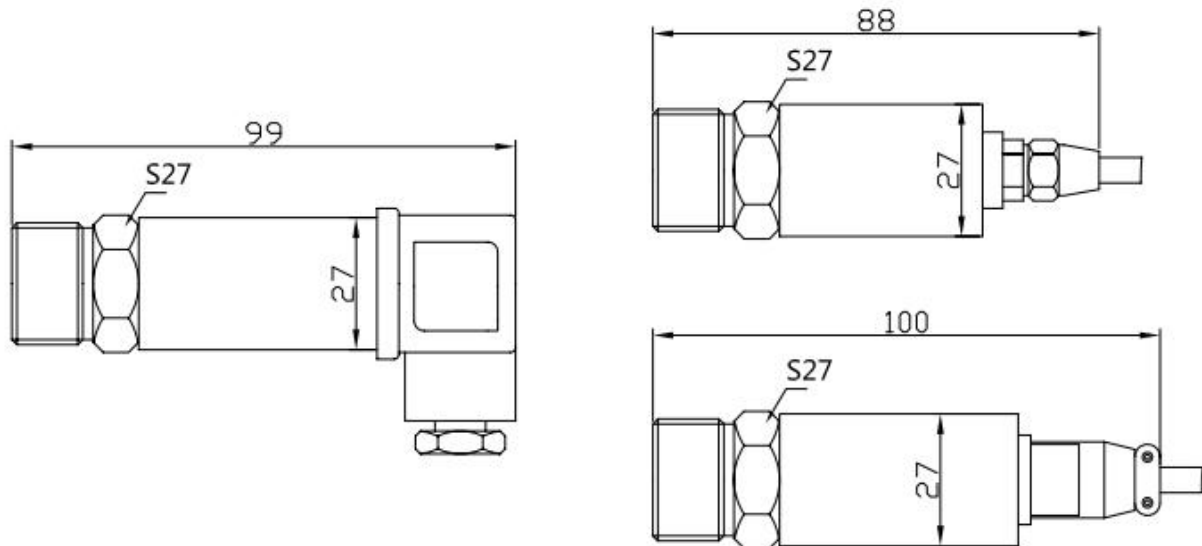
-  Automatic Machine
-  Medical equipment
-  Source and water treatments system
-  Test instrument
-  Engineering Machinery
-  Hydraulic Testing Jig
-  Agricultural Machinery
-  Hydromantic and pneumatic system
-  Customized Applications

More details for XY-PTM, please contact us.

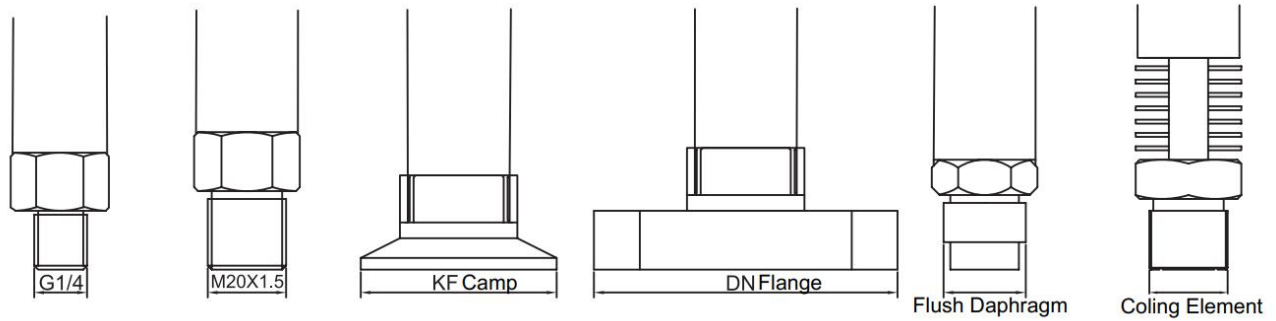
Specification

Model	XY-PTM
General Pressure Range	0~2...5...10...25...60...100...250...400...600MPa
Composite range	Offer customized range
Pressure Type	Gauge Pressure Test
Dimension	Diameter $\Phi 27$
Measurement Medium	Gas or Liquid with Compatibility of SS 316L
Overload Capacity	300%(≤ 10 MPa); 200%(>10MPa)
Output Single	4-20mA; 0-5V and 0-10 are optional
Response Time	≤ 2 mS
Power Supply	9-32 VDC, (Typical 24V)
Accuracy	0.25%FS;0.5%FS
Long-Term Stability/Year	Typical: $\pm 0.2\%$ FS/Year
Operation Temperature	-40~85°C
Compensation Temperature	-10~70°C
Zero Temperature Drift	$\pm 0.02\%$ FS/°C; Maximum $\pm 0.05\%$ FS/°C
Sensitivity Temperature Drift	$\pm 0.02\%$ FS/°C; Maximum $\pm 0.05\%$ FS/°C
Insulating Strength	>10M Ω @500VDC excitation
Shock and vibration resistance	1000G, 0.5ms
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	diom Temperatu	Additional	
G	None	XK (0-XKPa)	1	A	P1	M1	A	T1	L	
GA	P	XB (0-XBar)	2	R	P2	M2	B	T2	I	
DP	DP	XM (0-XMPa)	3	V1	P3	M3	C	T3		
GR	KF	CC Customized	4	V2	P6	M4	CC Customized	T9 Customized		
GT	DN		9	V3	P9	M5				
MT	1210			CC Customized		M7				
MK	9999					M9				
HF										
A										
B										
C										
M										
W										

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