# **Hydraulic Pressure Transmitter XY-PTM**

## Typical Feature

		Hiah	Pressure	Range	0~600MPa
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☐ Accuracy 0.25%FS;0.5%FS,

☐ Powered by 9-32 VDC (Typical 24V), output 4-20mA

☐ Stainless steel structure, and wield 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  $\sim$  100Kpa, 0-1Mpa, 0-10Mpa, 0-60Mpa  $^{\circ}$  500Mpa, other customized measurement range is available, such as -100Kpa  $\sim$  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

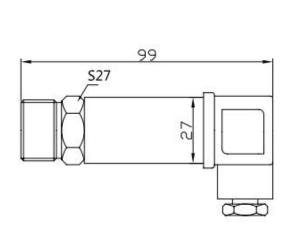
- Automatic Machine
- 🖶 Medical equipment
- Source and water treatments system
- Test instrument
- Engineering Machinery
- Hydraulic Testing Jig
- Agricultural Machinery
- Hydromantic and pneumatic system
- Customized Applications

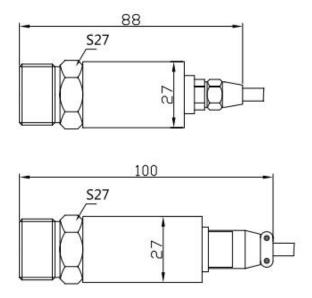
More details for XY-PTM, please contact us.

## Specification

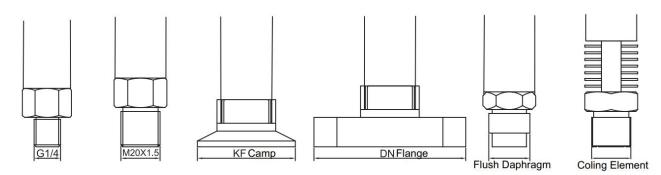
Model	XY-PTM
General Pressure Range	0~25102560100250400600MPa
Composite range	Offer customized range
Pressure Type	Gauge Pressure Test
Dimension	Diameter Φ27
Measurement Medium	Gas or Liquid with Compatibility of SS 316L
Overload Capacity	300%(≤10MPa); 200%(>10MPa)
Output Single	4-20mA; 0-5V and 0-10 are optional
Response Time	≤2mS
Power Supply	9-32 VDC, (Typical 24V)
Accuracy	0.25%FS;0.5%FS
Long-Term Stability/Year	Typical: ±0.2% FS/Year
Operation Temperature	-40~85°C
Compensation Temperature	-10~70°C
Zero Temperature Drift	±0.02% FS/°C; Maximum ±0.05% FS/°C
Sensitivity Temperature Drift	±0.02% FS/°C; Maximum ±0.05% FS/°C
Insulating Strength	>10MΩ @500VDC excitation
Shock and vibration resistance	1000G, 0.5ms
IP Protection Class	IP65, IP67

## Dimension(mm)





### Mechanical Connection(mm)



#### **Electronic Connection**

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

#### How To Order

PT G - KF		- 4M -		- 1 -		. А		-	- P2 -		. М3		B1	- T1	. L		
Туре		Pre	Pressure Connection		Pressure Range		Accuracy		Outupt		Power		Thread		ectrical Connection	dium Temperatı	Additional
G	General	None	General	XK	(0-XKPa)	1	0.15%	Α	4-20mA		P1 5V	M	1 M20*1.5	Α	HIRSCHMANN	T1 -20~80°C	L With Display
GA	Absolute Pressure	Р	Diaphragm Seals	XB	(0-XBar)	2	0.25%	R	RS485	l F	P2 24V	M	2 G1/4	В	Cable Outlet	T2 -20~120°C	I Explosion-Proc
DP	Differential Pressure	DP	Differential Pressure	XIM	(0-XMPa)	3	0.50%	V!	0-10V		P3 12-28V	М	3 G1/2	С	Circular Connector	T3 0~150°C	
GR	IoT	KF	Clamp	CC	Customized	4	1.00%	V2	2 0-5V	l	P6 12V	М	4 1/2NPT	CC	Customized	T9 Customized	
GT	Temperature& Pressure	DN	Flange			9	Customized	V3	0.5-4.5V	Ιī	P9 Customized	M	5 1/4NPT				
MT	Mini Thickness	1210	Explosion Proof					CC	Customized	_		M	7 ZG1/4				
MK	Economic	9999	Customized									M	9 Customized				
HF	High Frequency																
Α	Air Conditioning																
В	Ink Corrosion Resistance																
С	Air Compressor																
М	Hydraulic Pressure																
W	Water Pressure																

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