

## Digital Pressure Transmitter XY-PTGD

### Typical Feature

- ☐ Low power consumption with battery supply
- ☐ Output 0.5-2.5V or RS485 electrical signal output
- ☐ Measurement range -0.1~250Mpa, composite range is available
- ☐ Accuracy 0.5%FS; 1%FS
- ☐ Wide measurement field, even corrosion and easy crystallize medium
- ☐ Stainless Steel material with fully sealed structure
- ☐ Customized structure diversification is available









### Brief Introduction.

XY-PTGD digital pressure transmitters is a low power consumption pressure transducers, designed for the IoT(Internet of Thing), such as fire water pipe network, water supply, heating, etc. Supply power is 3.3V, and maximum operating current should be lower than 0.9mA.

XY-PTGD is kind of pressure transmitter/transducer with digital display. Stainless steel shell and laser-welded construction, IP65 ingress protection, and safety explosion-proof, all these performances allow this product to withstand harsh rugged application environments. It has excellent functions, such as high precision, fast response, small size, light-weight, stable and reliable, strong overload capacity; The digital pressure transducer is designed for most medium in industry, such as air, oil, water and other fluid; 0.5-2.5V or RS485 electrical signal output; Measurement Range 0~250MPa, other measurement range is optional. Thoughtful specialized electric circuit design; low power consumption digital pressure transducers with low power pressure sensor but high accuracy 0.5%;1%; Long-Term Stability  $\pm 0.02\%/FS/Year$ .

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

### Suggested Applications

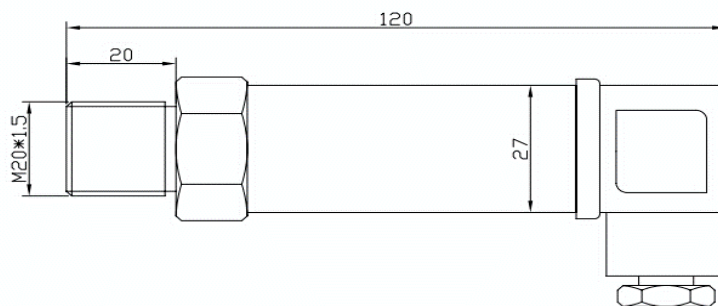
-  Fire water pipe network
-  Heating
-  Intelligent water pipe net
-  Medical equipment
-  Automatic control and inspection systems
-  Application that require battery power

More details for XY-PTGD, please contact us.

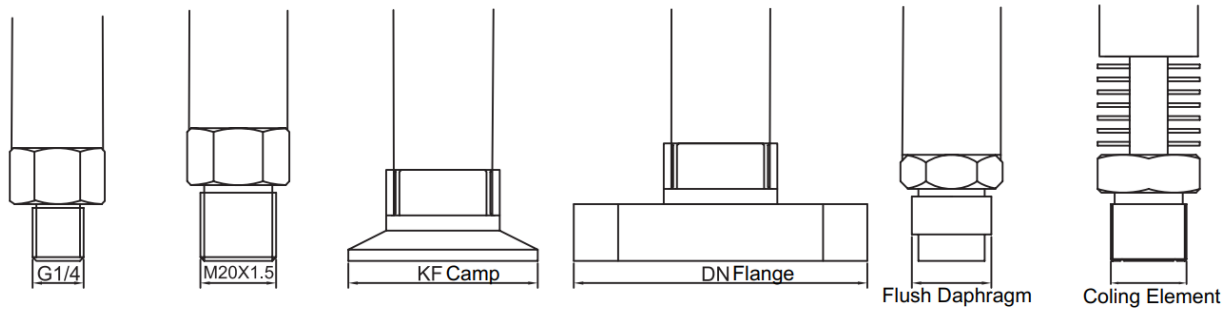
## Specification

Model	XY-PTGD
General Pressure Range	0...0.16...0.25...0.4...0.6...1.0...1.6...2.5...5...10...25...40...60MPa
Micro-pressure Range	0...1...2.5...4...6...10...25...40...60...100KPa
High-pressure Range	0...100...160...200...250MPa
Composite Range	-100...-60...-10...-5 ~ 0...5...10...60...100...1000KPa
Pressure Type	Gauge Pressure Test
Dimension	Diameter Φ27
Overload Capacity	200%(≤10MPa); 150%(>10MPa)
Measurement Medium	Gas or Liquid with Compatibility of SS 304 or SS 316
Output Single	0.5 ~ 2.5V or RS485
Power Supply	3.3V
Working Current	0.9mA (Max)
Accuracy	0.5%; 1%
Long-Term Stability/Year	Typical: ±0.2% FS/Year
Zero Temperature Drift.	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C
Response Time	≤10ms
Settling Time	<100ms
Operation Temperature	-20 ~ 60°C
Compensation Temperature	0 ~ 60°C
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	Medium Temperature	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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