

Differential Pressure Transmitter XY-PTDP

Typical Feature

- Compact size, easy installation and light weight
- Pressure Range 0~0.6KPa;0~2.5KPa;0~6MPa
- Accuracy 0.1%FS; 0.25%FS;0.5%FS
- Continuously adjustable measurement range, Excellent EMI
- 2-wires 4~20mA standard signal output, HART® or others optional Modbus
- Strong overload pressure capacity



Brief Introduction

XUYAN XY-PTDP differential pressure transmitter is with 4~20 mA electronic output signals, alternative HART and other output signals. Combined with intrinsically safe design and explosion protection, it is suitable to industrial measuring requirements, such as differential pressure measurement for flow measurement, monitoring liquid level, indicate filter and pump pressure.








The differential pressure transmitter has stainless steel shell and laser-welded construction, optional IP65 and IP67 ingress protection. Safety explosion-proof design makes it able to withstand harsh rugged application environments. It has good performance such as high precision, fast response, small size, light weight, stable and reliable, strong overload capacity. The diaphragm seals fitted to suitable for harsh process condition. Measurement ranges from 0~0.6Kpa; 0~2.5Kpa; 0~6MPa, which almost covers any application. Stainless steel shell and laser-welded construction can be used in most medium of industry. The digital display is optional.

XY-DP1310 Differential Pressure Transmitter has excellent isolation technology, special dual plug; the stable check valve protects static pressure, and has high Reverse overload level, built-in diffused silicon sensor, it is used in high frequency dynamic differential pressure measurement.

XY-DP1320 Differential Pressure Transmitter was fit out decompression valve, especially can be applied in the small fixed size and micro pressure work station.

XY-DP1330 Differential Pressure Transmitter has intelligent compensation technology, stable long-term performance, thus is used in liquid flow, pressure container level, leak detection, filter and pump.

Suggested Applications

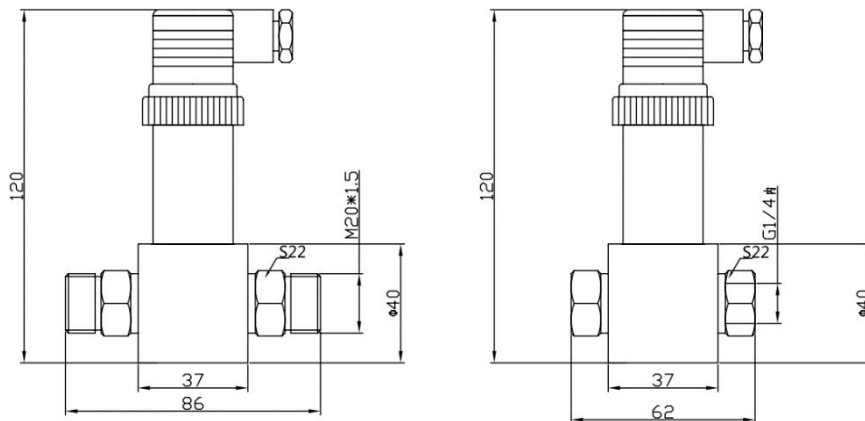
-  Process engineering
-  Pharmaceutical
-  Food and beverage industries
-  Test bench
-  Filter
-  Aerospace
-  Customized Applications

More details for XY-PTDP, please contact us.

Specification

Model	XY-PTDP
Gauge Pressure Range	0~0.6KPa;0~2.5KPa;0~6MPa
Operation Pressure	1MPa (Measurement Range<6KPa); 6.4MPa (Measurement Range<10KPa); 16MPa,25MPa,40MPa
Pressure Type	Gauge Pressure Test, Absolute Pressure Test
Measurement Medium	Gas or Liquid with Compatibility of SS 304 or SS316
Accuracy	0.1%FS; 0.25%FS;0.5%FS
Long-Term Stability/Year	±0.3%FS/Year
Zero Temperature Trift	Typical: ±0.03%FS/°C; Maximum ±0.05%FS/°C
Sensitivity Temperature Drift	Typical: 0.03% FS / °C; The Biggest: 0.05% FS / °C
Response Time	≤2ms
Operation Temperature	-40~85°C
Compensation Temperature	-20 ~ 80°C
Environmental Temperature	-40 ~ 100°C
Power Supply	9 ~ 32VDC
Power Sensitivity	Maximum 0.01%FS/V
Signal Output	4 ~ 20mA, HART or Others
Load Resistance	≤(U-6.5)/0.02A Ω
Insulation Resistance	> 100 m Ω 500 VDC incentives
Vibration Resistant	≤ ±0.01%FS (X, Y, Z Axis, 200Hz/g)
Mechanical Life	>10 ⁸ Times
Electrical Connections	DIN; Cable Outlet; Circular Connector
IP Protection Class	IP65; IP67

Dimensions(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-XXkPa)	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-XXBar)	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-XXMPa)	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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