

Air Condition Pressure Transducer XY-PTA

Typical Feature

- Stainless-steel pressure connection joint
- Excellent anti-vibration and stability performance
- Compound pressure range is optional, such as -100KPa ~ 3MPa
- Wider Temperature Range -20 ~ 110 °C, and -40 ~ 150 °C
- Customized structure diversification is available







Brief Introduction

XY-PTA air condition pressure transducer is designed for air condition and air condition system, with good moisture resistance and excellent media compatibility, dedicated to air condition pressure measurement and control. It is integrated with digital conditioning chip to compensate the deviation, sensitivity, temperature drift and non-linearity of the sensor. It has such outstanding characteristics as high integration, small size, high accuracy, good consistency, strong anti-interference ability, fast response, low power consumption and wide temperature range.

XY-PTA Air-Condition Pressure Transducer has optional stainless steel, brass shell and EPDM Seal Ring, optional IP65 and IP67 Ingress protection, powered by 5V or 9-32 VDC, standard electrical signal output 4-20mA by 2-Wire cable, measurement range 0-1MPa and 0-1.6 MPa are standard type with stock, others customized measurement range are available, Thoughtful specialized electric circuit design, accuracy 0.2% FS, 0.5% FS, 1.0 % FS; Long-Term Stability $\pm 0.25\% \text{FSO/Year}$.

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

Suggested Applications

-  Air conditioning
-  HVAC system
-  Cooling system
-  Customized Applications

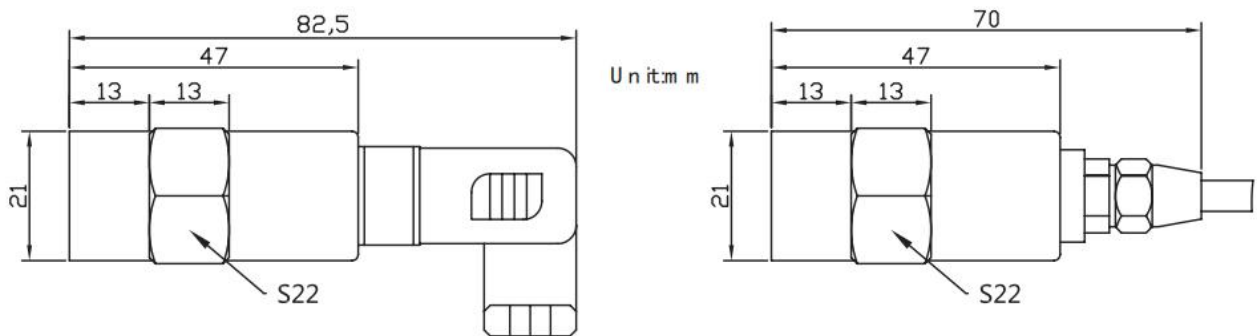
[More details for XY-PTA, please contact us.](#)

Specification

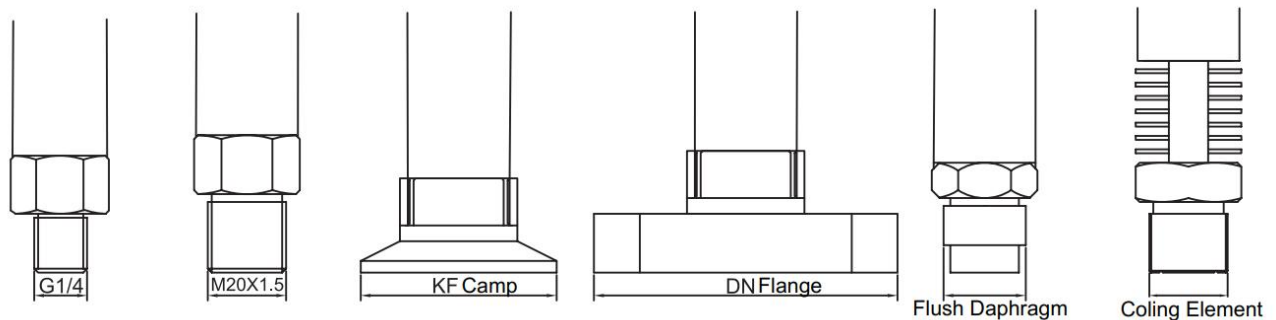
Model	XY-PTA
General Pressure Range	-1Bar...0-1Bar...10Bar...30Bar...100Bar
Pressure Type	Gauge Pressure Test
Dimension	Diameter $\Phi 21$
Measurement Medium	Freon, air and liquid with Compatibility of Stainless steel or Brass
Seal Ring	EPDM
Chemical Seal	Ceramic Al ₂ O ₃
Overload Capacity	150%

Output Single	4-20mA	0-5V/0.5-4.5V
Power Supply	8-30 VDC	5V
Medium Temperature	-20 ~ 85°C	-20 ~ 125°C
Ambient Temperature	-20 ~ 85°C	-20 ~ 125°C
Compensation Temperature	0 ~ 80°C	
Zero Average Temperature Coefficient	Typical: $\leq \pm 0.2/10K$	
Range Average Temperature Coefficient	Typical: $\leq \pm 0.15/10K$	
Electronic Load	$RA \leq (UB - 8V)/0.02A$	
Insulating Strength	$> 10M\Omega$ @500VDC excitation	
Accuracy	0.2%FS, 0.5%FS, 1.0%FS	
Long-Term Stability/Year	Typical: $\pm 0.25\%$ FSO/Year	
CE	Anti-interference performance	
Connect Joint	7/16-20UNF	
Electronic Connector	Packard; Binder, others are optional	
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

Category	Type	Setup	Pressure Connection	Pressure Range	Accuracy	Power	Output	Thread	Electrical Connection	Medium Temperature	Additional
PG Pressure Gauge	200 High Accuracy	E Lower Mount	None General Thread	XX (0-XXPa)	1 0.40%	P0 Battery	R RS485	M1 M20*1.5	B Cable Outlet	T1 -5~40°C	LC LCD Display
	210 High Accuracy Pressure&Temperature	Z Panel Mount	P Diaphragm Seals	XB (0-XXPa)	2 0.20%	P2 24V	A 4-20mA	M2 G1/4	C Circular Connector	T2 -20~80°C	LE LED Display
	270 Explosion-Proof	G Wireless	DP Differential Pressure	XM (0-XXPa)	3 0.10%	P4 220V	J1 Relay	M3 G1/2	CC Customized	T9 Customized	IT Explosion-Proof
	280 80mm Dial Size LCD Display	F Peak Record	KF Clamp	CC Customized	4 0.50%	P5 380V	J2 Dual Relay	M4 1/2NPT			
	260 60mm Dial Size	V Vacuum Switch	DN Flange		5 0.25%	P6 12V	CC Customized	M5 1/4NPT			
	300 100mm Dial Size	W Water Pump Switch	9999 Customized		9 Customized	P9 Customized		M7 2G1/4			
	380 80mm Dial Size LED Display							M8 Customized			
	560 Digital Remote-transmission										
	625 Contact 80mm Dial Size										
	925 Contact 90mm Dial Size										
PS Pressure Switch	628 60mm Dial Size										
	628 80mm Dial Size										
	628 100mm Dial Size										
	650 Switch Box with Plastic Shell										
	600 Switch Box with Full Metal Shell										
PC Pressure Control	700 Mechanical										
	600 60mm Dial Size										
	800 80mm Dial Size										
	900 100mm Dial Size										

Remark: 1. This form is for whole Pressure Measurement and Pressure Control products, please read Product Date Sheet to get reference informations
2. If you may not find right information in this form, please contact us to get future details.

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