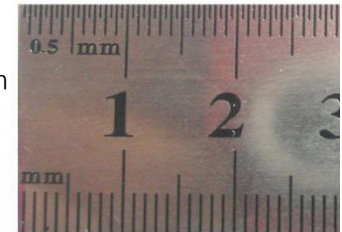


Pressure Transmitter XY-PTMT300

Typical Feature

- Thin Type, minimum size $\Phi 10$, thickness 5mm
- High-precision maximum accuracy 0.25% FS
- Temperature stability index 0.02%/FS/ °C
- Wide measurement field, even corrosion, easy crystallize medium
- Stainless Steel material with fully sealed structure
- Customized structure diversification is available












Brief Introduction

XY-PTMT300 Thin Precision Pressure Transmitter has minimum diameter 10mm and 5mm thickness. Special design and precision machining technology make them with excellent dynamic and static qualities, stainless steel shell and laser-welded construction, IP65 or IP67 Ingress protection; the ultrathin and small size can be used to specific environments if the work condition is limited about test point size, or need to keep flow distribution, Xuyan offer customized type to against harsh rugged work condition by customer special requirements.

The Small size mounted type Precision Pressure Transmitter has excellent performance such as high precision, fast response, small size, light-weight, stable and reliable, strong overload capacity; designed for most medium in industry, such as air, oil, water and others fluid; the Micro pressure transmitter mainly is applied in the followed situations: aerodynamics, aircraft and engine experiment, wind tunnel experiment, hydromechanics experiment, hydraulic modeling experiment, biomedicine experiment, chemical explosive and nuclear explosive blast experiment; Output 4 ~ 20mA or 0 ~ 5VDC standard electrical signal through regulation device; Measurement Range: Air pressure 0-20KPa, 0-200KPa; Others medium 0-1MPa...10MPa...50MPa...100MPa. With thoughtful specialized electric circuit design, it's easy to install in microprocessor intelligent control system; calibrated by ultra-high precision absolute pressure calibration equipment, accuracy 0.2%; 0.5%; temperature stability index can be increased to 0.02%/FS/C by sensor temperature self-compensation and specialized circuit debugging.

Suggested Applications

-  Aerodynamics
-  Aircraft & Engine Experiment,
-  Wind Tunnel Experiment,
-  Hydromechanics Experiment,
-  Hydraulic Modeling Experiment
-  Biomedicine Experiment,
-  Chemical Explosive
-  Nuclear Explosive Blast
-  Experiment Specification

More details for XY-PTMT300, please contact us.

Specification

Model	XY-PTMT		
	100	200	300
Gauge Pressure Range	0~5...100...1000KPa	0~5...100...8000KPa	Air pressure 0~20...200KPa Others 0~1...10...50...100MPa
Pressure Type	Gauge Pressure Test		
Measurement Medium	Gas or Liquid with Compatibility of SS 304, SS316 or Silicon		
Accuracy	0.2%FS; 0.5%FS additional conditioning circuit		
Long-Term Stability/Year	±0.2%FS/Year		
Zero Temperature Drift	Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C		
Sensitivity Temperature Drift	Typical: 0.02% FS / °C; The Maximum: 0.05% FS / °C		
Overload Pressure	200%		
Operation Temperature	-30~80 °C		
Compensation Temperature	-10~70 °C		
Environmental Temperature	-40~ 120 °C		
Power Supply	5VDC		
Overvoltage Protection	≤3X; ≤5X; ≤10X (by Range)		
Signal Output	mV (>30mA@Full Scale)		
Response Time	Depend on measurement range and structure		
IP Protection Class	IP65; IP67		

Performance Parameter

Performance Parameter	A	B	C	D
Non-linear/±%FS	1.00	0.50	0.20	0.1
Non-redundant, hysteria /±%FS	0.20	0.15	0.10	0.04
Zero temperature coefficient/X10 ⁻⁴ /°C.FS	5.00	3.00	2.00	1.00
Sensitivity temperature coefficient/X10 ⁻⁴ /°C.FS	5.00	3.00	2.00	1.00
Zero Time drift/%FS/8h	0.20	0.15	0.10	0.10
Accuracy%FS	1.00	0.50	0.25	0.15

Dimension(mm)

Mode	Size
XY-PTMT100	Φ 3mm-Φ8mm
XY-PTMT200	M5*1-M10*1
XY-PTMT300	Φ 10*5mm-Φ30*10mm

How To Order

XX	PG	280	E	P	60M	1	P2	J	M3	B1	T1	L	
	Category	Type	Setup	Pressure Connection	Pressure Range	Accuracy	Power	Output	Thread	Electrical Connection	Medium Temperature	Additional	
	PG	200 High Accuracy	E Lower Mount	None General Thread	XX (0-30Pa)	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 (0-30Bar)	2 0.20%	P2 24V	A 4-20mA	M2 G1/4	C Circular Connector	T2 -20~80°C	LE LED Display	
		230 Explosion Proof	6 Wireless	DP Differential Pressure	XM (0-30MPa)	3 0.10%	P4 220V	R1 Relay	M3 G1/2	CC Customized	T9 Customized	I 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					
		300 100mm Dial Size	W Water Pump Switch	9999 Customized		9 Customized	P9 Customized						
		380 80mm Dial Size LED Display											
		560 Digital Remote-transmission											
		825 Contact 60mm Dial Size											
		925 Contact 90mm Dial Size											
	PS	628 60mm Dial Size											
		828 80mm Dial Size											
		928 100mm Dial Size											
		650 Switch Box with Plastic Shell											
		600 Switch Box with Full Metal Shell											
	PC	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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