









PT SERIES

Characteristic

- Strong Body Structure Against High Temperature
- Different Signal Output Options: mA, or V or mV / V
- ZERO and SPAN Setting
- More Durable with INCONEL 718 Alloy Membrane
- · High Stability
- Accurate measurement
- · Long life
- Resistant to Parasites
- 80% Internal calibration
- Good stability and repeatability
- Different Thermocouple Options: J Type, K Type, E Type,

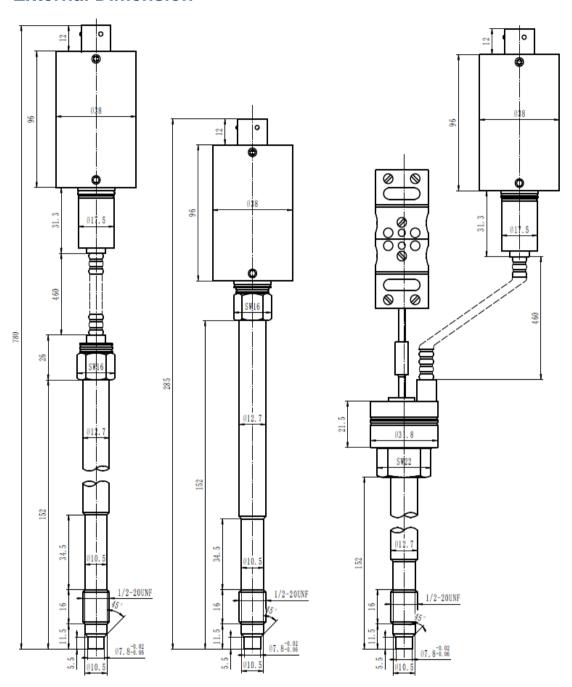
MPS PT Series is widely used in plastic industry requiring easy installation, good repeatability. It's various signal outputs such as mV/V, 0-5V, 0-1OV or 4-20 mA are able to be connected with many pressure display. This series can also be quipped with temperature measurement component like E,J,K thermocouple. MPS PT Series transducer adopts standart 1/2"-20 UNF thread. The MPS PT series product technology is widely accepted by peers all over the world.

TECHNICAL PARAMETERS		MECHANICAL AND SEALING CHARACTERISTICS			
Power Supply	mV/V: 10 V DC(recommended), mA or V: 24V DC	Transducer Technology	Bonded Wheatstone and Wheatstone bridge		
Signal Output	3.33mV/V, 0-5V, 0-10V or 4-20mA	Diaphragm Temperature	750° F(400°C), at most		
Accuracy	±0.25% FS, ±0.5% FS, ±1% FS	Diaphragm Materials	5 Different Diaphragm Options		
Repeatability	±0.2% FS	Progress Connection	1/2 – 20 UNF and M14 × 1.5, M16 × 1.5, M18 × 1.5 Thread		
Working Temperature	mV/V, mA: 185° F (85"c)	E - connection	5 PIN,6 PIN,7 PIN,8 PIN		
Overload Ability	2x FS	Install Torque	500 in/lbs , at most		
Pressure Range (bar)	0-35 Bar2000Bar	Temperature Transducer (optional)	E/J/K/PT100 Type Thermocouple Matches With 3" Flexible Conduit		
Pressure Unit	psi, Bar, kPa or MPa	Certification	Patented		
Zero Adjustment (±% FS)	mV/V: No, mA: ± 20%	Certification	CE Certified		
Zero Balance Design (±% FS)	mV/V: ± 10%: mA: ± 0.5%	Recommend Fitting			
Zero Drift (caused by progress temperature change)	1.5bar/100° F(3bar/100°)	Install Tools	Component GJ		
Bridge Resistance	mV/V: 345 Ω, at least	6 Pin E – connection	Component CON06		
Overload Resistance	mA: 1100 Ω, at most	Matching Connection			
Insulation Resistance	mV/V: 1000MΩ @50 Vdc mA: 100M Ω @50 Vdc	Fix Frame (electric device)	Spares No.:ZJ, cable Fitting, indicator		
Shunt Calibration (R-Cal)	80% FS ± 1% FS	1	'		





External Dimension



E-Connection 6 PIN

Current Output Signal (4-20mA)						
Α	В	С	D	E	F	
E+	S+			CAL	CAL	
red	black			blue	orange	

Voltage Output Signal (0-5V,0-10V,mV)						
Α	В	С	D	E	F	
S+	S-	E+	E-	CAL	CAL	
red	black	white	green	blue	orange	

Note: S represents signal output; E represents power supply; CAL represents calibration.





Ordering Code

Series Co	ode PT										
	Rigid Stem	0									
Version	Rigid Stem + Flexible	1									
	With Thermocouple	2									
	3.5MPa 35bar 35kg/cm² 500		5C								
		0psi	1.5 M								
		0psi	3M								
D		0psi	5M								
Pressure Range	U	0psi	7.5M								
Kange		00psi	10M								
	100MPa 1000bar 1000kg/cm² 1		15M								
	140MPa 1400bar 1400kg/cm² 2		20M								
Thread	200MPa 2000bar 2000kg/cm ² 3	Juuupsi	30M	1/2							
inread											
	M18×1.5										
	6 inches (152mm)				6						
	9 inches (229mm) 9										
Snout Length	12.5 inches (318mm) 12										
	15 inches (381mm) 15										
	18 inches (460mm) 18										
	No Flex NT										
Caplliary	18 inches (457mm) /18										
Length	30 inches (762mm) /30										
	3.33mV/V MV										
Signal	0~5V 5V						5V				
Output	0~10V						10V				
	4~20mA							MA			
	No TC								NT		
	E type						E				
Thermocouple	e J type										
	K type										
	PT100 RTD1										
Special Code	Code Standard version special or customized versions available on request					000					

Accessory	Code
Cleaning Tool Kit	CT Series
Mounting Bracket	SF Series
Cable	GL Series
Connector	CON Series