

Instructions

Standard Silicon Pressure Sensor

PT216 series



Summary

PT216series is designed and manufactured with high precision diffused silicon pressure core and precision compensation technology,It has the characteristics of wide measuring range, high precision and compact design, and is suitable for precise measurement and control of liquid and gas pressures in various fields

Feature

- Accuracy can be 0.25% F.S
- Compact stainless steel housing package
- Protection level IP65
- Multiple E-connection optional

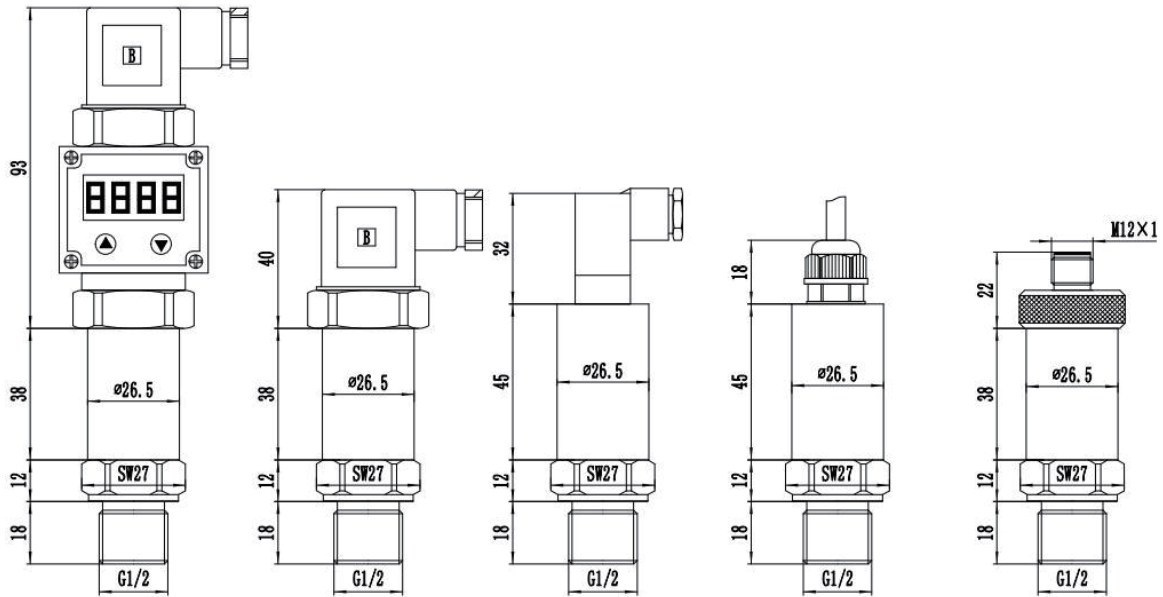
Application

- Hydraulic and pneumatic control
- Construction machinery
- Light industry, machinery and metallurgy
- Industrial process and control

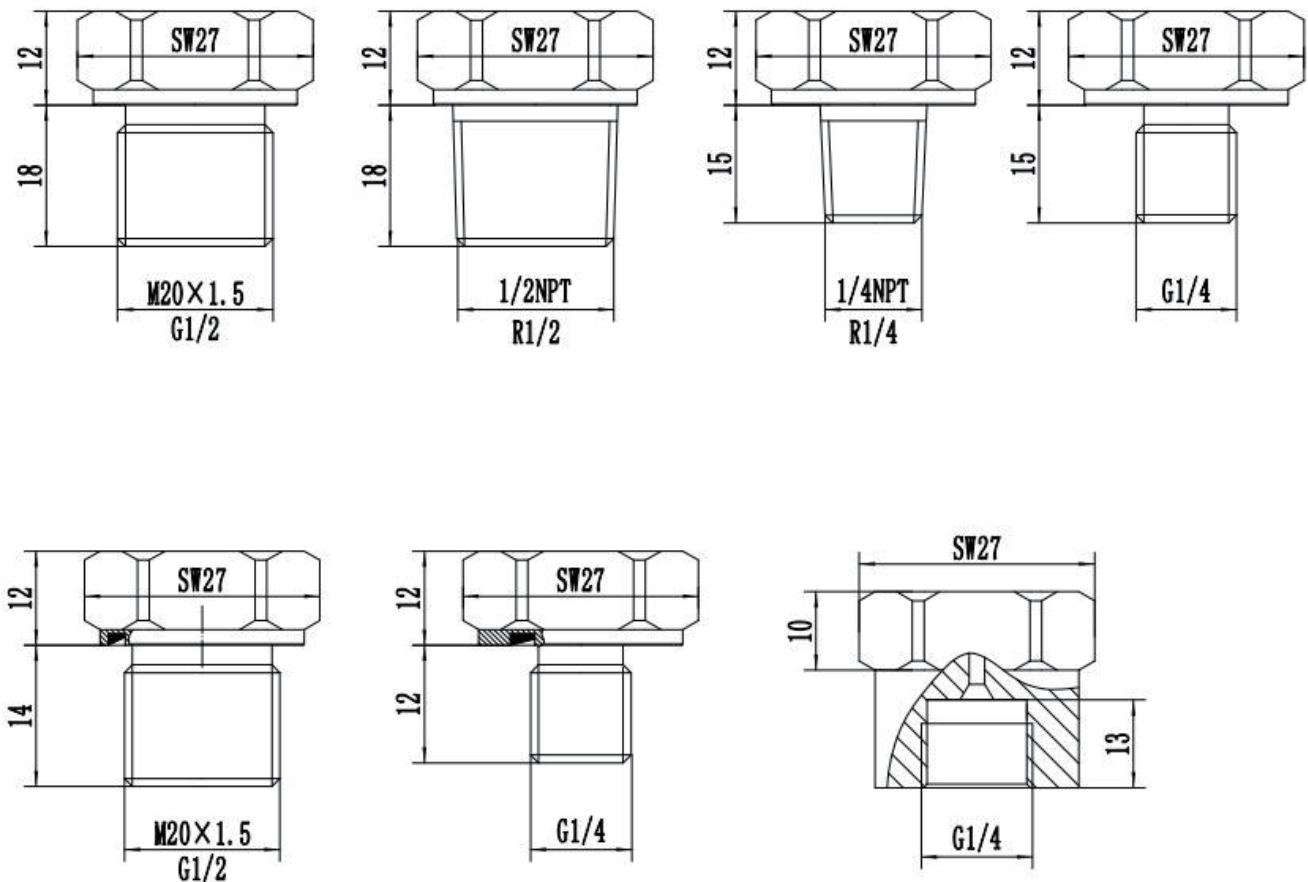
Specification

Pressure range	-1~0bar; 0~400 bar(-100~0kPa;0~40MPa)			
Pressure type	Gauge pressure,absolute pressure			
Accuracy	0.5% F.S; 0.25% F.S			
Electrical Performance	2-wire	3-wire 0~10V	3-wire	3-wire
Output signal	4~20 mA	0~10V	0~5V	0.5~4.5V
Power supply	6.5~32Vdc	12~32Vdc	10~32Vdc	5Vdc
Overload resistance	<(U-6.5)/0.02	>20k	>20k	>20k
E-connection	M12x 1(4-pin),Hirschmann, PACK connector,water-proof connector			
Process connection	G1/4,G1/2,1/4NPT,1/2NPT,M20x1.5,R1/4,R1/2,G1/4 etc			
Overload pressure	1.5 times rated pressure			
Diaphragm Temp	-20~80 ℃			
Protection degree	IP65			
Response time	≤ 10msec			
Long term stability	0.2% FS / year			


Dimension





Process connection





E-connection

Hirschmann DIN 175301-803 A			
		Current	Voltage
	U+	1/red	1/red
	0V		2/black
	S+	2/black	3/green

Hirschmann DIN 175301-803 C			
		Current	Voltage
	U+	1/red	1/red
	0V		2/black
	S+	2/black	3/green

Round connector 4-pin M12 x 1			
		Current	Voltage
	U+	1/brown	1/brown
	0V		4/black
	S+	3/blue	3/blue

Metric-Pack 150 series (3-pin)			
		Current	Voltage
	U+	B/red	B/red
	0V		A/black
	S+	A/black	C/green

Leading wire, Shielded			
		Current	Voltage
	U+	red	red
	0V		black
	S+	black	green

Ordering guide

Series code	PT216	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X
Product type	Gauge pressure	G																
	Absolute pressure	A																
Pressure unit	bar			B														
	MPa			M														
	kPa			K														
Pressure range	Pressure range value x					X												
Process connection	G1/4							G1/4										
	1/4NPT							1/4NPT										
	G1/2							G1/2										
	M20 x1.5							M20										
	R1/4							R1/4										
	R1/2							R1/2										
	1/2NPT							1/2NPT										
	G1/4 female							G1/4C										
Output	4~20mA								MA									
	0~10VDC								10V									
	0~5VDC								5V									
	0.5~4.5VDC								4V									
E-connection	Hirschmann connector (DIN 175301-803 C)									2D								
	Hirschmann connector (DIN 175301-803 A)									1D								
	M12x1 round connector 4-pin									T								
	Packard connector									PA								
	water-proof connector leading wire X meters									MX								
	Hirschmann connector with LED									3D								
	Digital LED display with alarm									4D								
Material	SUS304 (Standard)																	
	SUS316L																	
Sealing way	Standard end face sealing																	-
	End face sealing with damping																	N
	Taper sealing																	Z
	O ring sealing																	M
Accuracy	0.5%F.S																	
	0.25%F.S																	2A