Ziasiot

Instructions

Anti-Crossive Piezoresistive Pressure Sensor

PT218E

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Summary

PT218E series adopts high-performance ceramic piezoresistive and anti-corrosion core. With the characteristics of temperature stability, high precision and strong corrosion resistance of ceramics. Using PTFE, anti-corrosion alloy and other materials with strong anti-corrosion performance, and can measure various corrosive media. It is suitable for precise measurement and control of corrosive fluid and gas pressure in various fields

Feature

- Accuracy can be 0.5% F.S
- PTFE shell, resistant to strong acid and alkali
- High reliability and good long-term stability
- Imported high performance thick film ceramic core

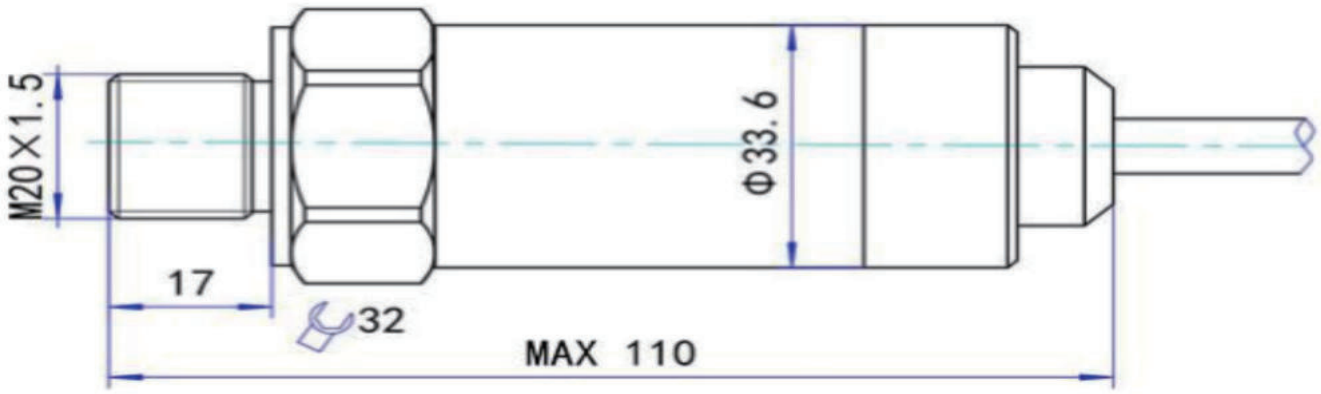
Application

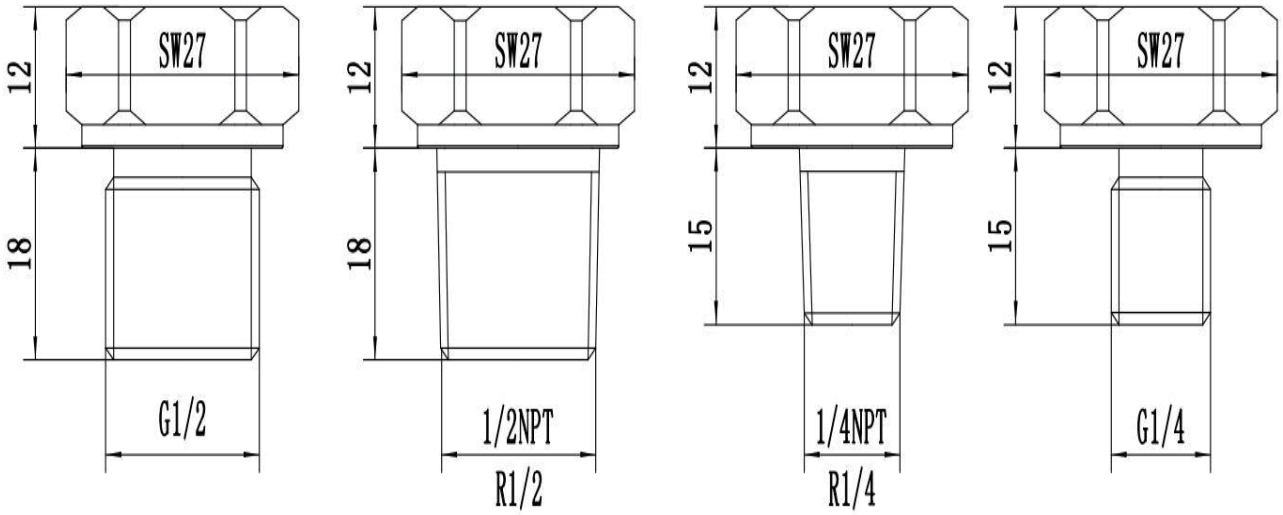
- Medical technology
- Environmental monitoring technology
- Electroplating technology
- Petrochemical industry

Specification

Pressure range	0~50 bar(0-5MPa)			
Pressure type	Gauge pressure			
Accuracy	0.5% 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	12~32Vdc	12~32Vdc	10~32Vdc	5Vdc
Overload resistance	<(U-8)/0.02	>20k	>20k	>20k
E-connection	Water-proof connector			
Process connection	G1/4,G1/2,R1/4,R1/2,1/2NPT.1/4NPT,M20X1.5			
Overload pressure	1.5 times rated pressure			
Diaphragm Temp	-10~85℃			
Electrical Temp	0~75℃			
Protection degree	IP65			
Response time	≤10msec			
Long term stability	0.2% FS / year			

Dimension





E-connection

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

Ordering guide

Series code		PT218E	-	X	-	X	-	X	-	X	-	X
Pressure unit	bar			B								
	MPa			M								
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				
Output	4~20mA									MA		
	0~10VDC									10V		
	0~5VDC									5V		
	0.5~4.5VDC									4V		
E-connection	water-proof connector leading wire X meters											MX