

PK208 Strong Overload Pressure Transmitter

Certification



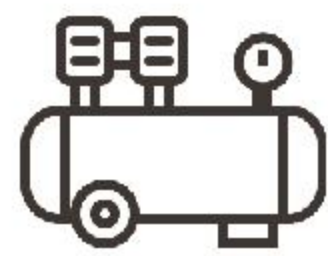
RoHS



Application Scenarios



Construction
machinery



Pump and
Compressor



Hydraulic/
pneumatic
systems



Water
treatment



General pressure
measurement

Product Features

Range	Accuracy	Output	Overpressure
1MPa... 200MPa Gauge	0.25%FS	4...20mA、0...5V 、0...10V、II C etc.	3 times, resistant to overload, strong voltage resistance, and impact resistance

Product Description

This product is a pressure transmitter with a glass micro melting core. As a pressure sensor, glass micro melting is suitable for harsh working conditions such as impact resistance and strong pressure resistance.

Widely used in the fields of construction machinery, hydraulic/pneumatic systems, pumps and compressors, and general pressure measurement.

The product uses high-performance conditioning chips and integrated circuits to convert sensor millivolt or milliamper signals into standard voltage, current, or digital signals, which can be directly communicate with upper computer, PLC, various intelligent instruments, and control monitoring platforms.

Compact structure, compact installation, stainless steel connector, ensuring durability, IP65 protection level, etc., ensuring that the product can adapt to various environments and climate conditions.

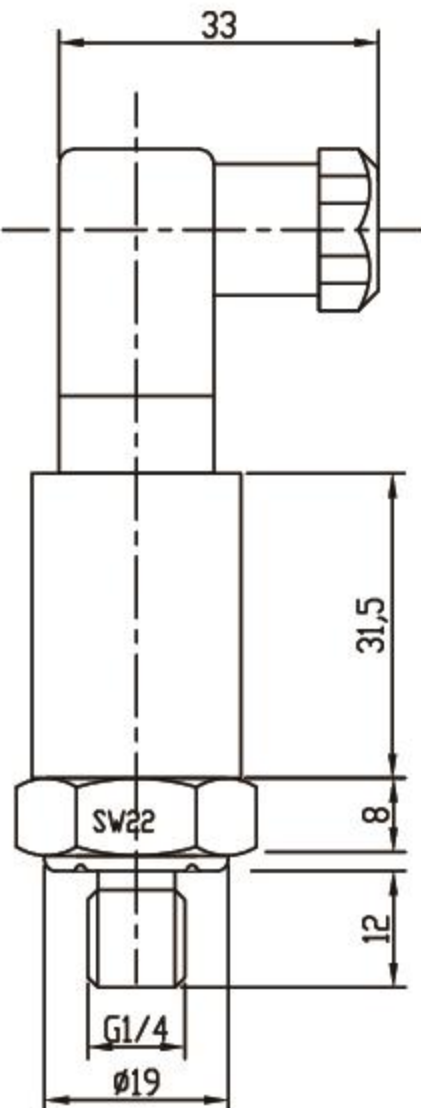
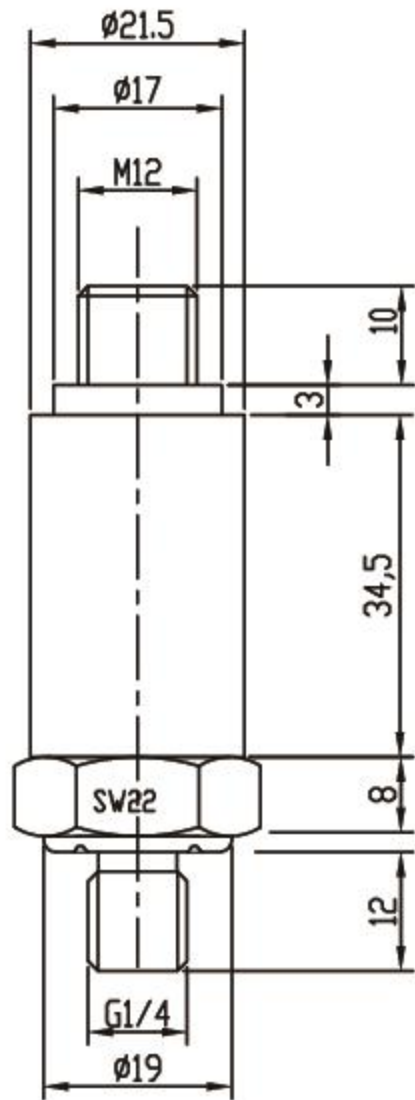
Technical Parameter

Application scenarios	Gauge pressure measurement
Measurement range	0.....200MPa
Comprehensive accuracy	0.25%FS
Overpressure	3 times
Response time	<5ms (rising to 90% FS)
Medium temperature	-20.....70℃
Operating temperature	-40.....85℃
Supply voltage	DC24V（10...30 V DC）、DC3...5V(I2C)
Output signal	4...20mA、0...5V、0...10V、Modbus、HART
Sealing level	IP65、IP68（Waterproof type）
Connector material	Stainless steel 304, Stainless steel 316, 17-4PH
Diaphragm material	17-4PH
Stability performance	0.25% FS/year
Process connection	Thread
Electrical connection	Shielded wire, aviation connector, tightening nut, Hirschmann, Parker connector

Specifications and Dimensions (Unit: mm)

M12 X 1.0

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Electrical Connection

4-20mA current output					
	Pin	Description		Pin	Description
	1	PS +		1	PS +
	2	PS -		2	PS -
	3	N/C		3	N/C
	Pin	Description		Pin	Description
	1	PS +		1	PS +
	2	PS -/V -		2	PS -/V -
	3	V +		3	V+
	Pin	Description		Pin	Description
	4	Ground		4	N/C

Abbreviation

- PS + Positive power supply terminal
- PS - Negative power supply terminal
- V + Positive voltage output
- V - Negative voltage output

Certification

- ACommon
- BNEPSI Ex ia IIC T4

Shell+Communication interface

- HHirschmann connector
- JM12 connector
- KKWaterproof type
- LParker connector
- YCustomized

Output

- 14-20mA
- 24-20mA + Display
- 30-10V
- 40-10V + Display

Range

- BE1MPa Gauge
- BG2.5MPa Gauge
- BH4MPa Gauge
- BI10MPa Gauge
- BP25MPa Gauge
- BK40MPa Gauge
- BO50MPa Gauge
- BL60MPa Gauge
- BR100MPa Gauge
- BS140MPa Gauge
- BT200MPa Gauge
- YYCustomized

Process connection

- GM M20x1.5
- GN NPT1/2
- NN NPT1/2 F Female
- GO G1/4
- NO G1/4 F Female
- GP G1/2
- NP G1/2 F Female
- GT NPT1/4
- NT NPT1/4 F Female
- YY Customized

PK208 Strong overload pressure transmitter

Selection rules:

Requirements: Hirschmann connector, 4-20mA output, 40MPa gauge pressure, and G1/4 thread

Select model: PK208-AB1BKGO