

## PK208 Strong Overload Pressure Transmitter

### Certification



RoHS

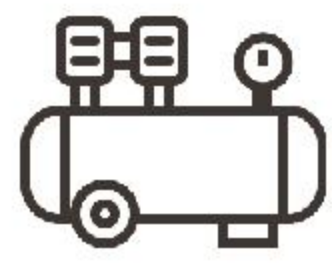
Ex ia IIC T4 Ga



### 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 milliampere 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.

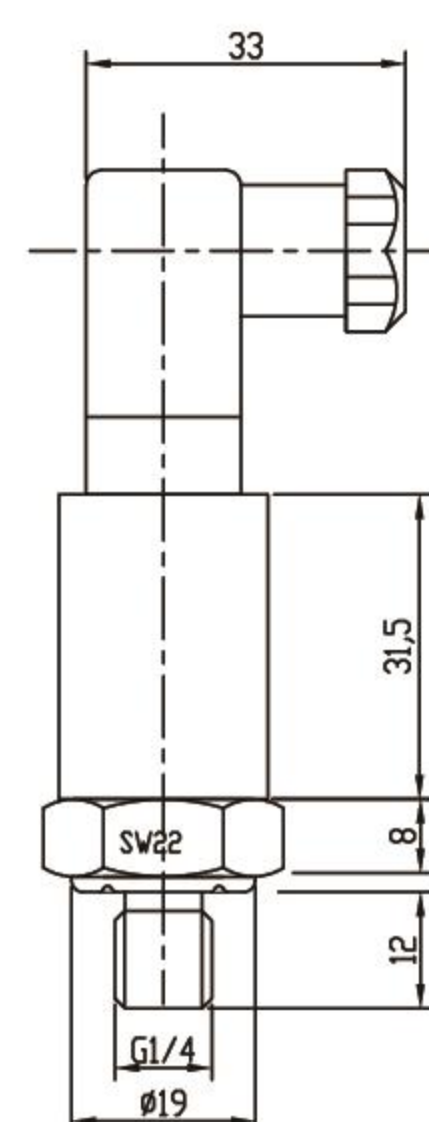
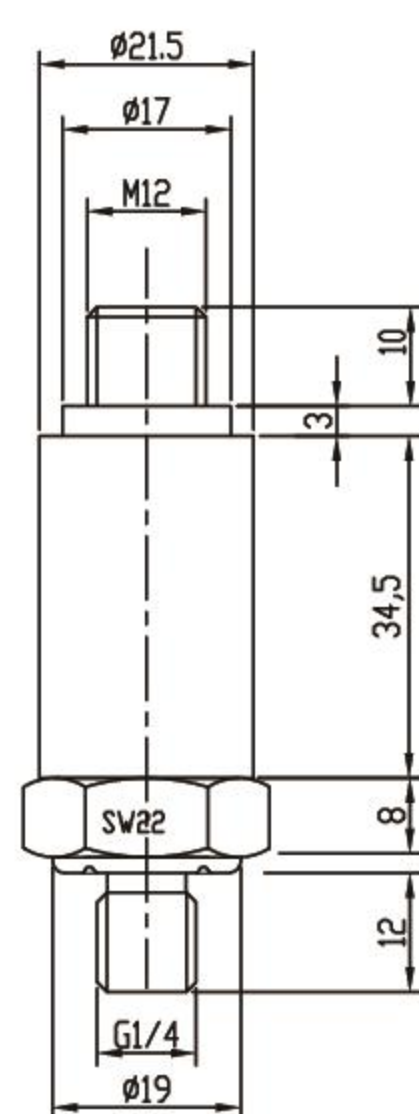
### Technical Parameter

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°C
Operating temperature	-40.....85°C
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					
Hirschmann	Pin	Description	M12	Pin	Description
	1	PS +		1	PS +
	2	PS -		2	PS -
	3	N/C		3	N/C
	4	⊕		4	N/C
0-10V、 0-5V Voltage Output					
Hirschmann	Pin	Description	M12	Pin	Description
	1	PS +		1	PS +
	2	PS -/V -		2	PS -/V -
	3	V +		3	V+
	4	⊕		4	N/C

#### Abbreviation

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

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- A Common
- B NEPSI Ex ia IIC T4

Shell+Communication interface

- H Hirschmann connector
- J M12 connector
- K Waterproof type
- L Parker connector
- Y Customized

Output

- 1 4-20mA
- 2 4-20mA + Display
- 3 0-10V
- 4 0-10V + Display

Range

- BE 1MPa Gauge
- BG 2.5MPa Gauge
- BH 4MPa Gauge
- BI 10MPa Gauge
- BP 25MPa Gauge
- BK 40MPa Gauge
- BO 50MPa Gauge
- BL 60MPa Gauge
- BR 100MPa Gauge
- BS 140MPa Gauge
- BT 200MPa Gauge
- YY Customized

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

10

20

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40

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PK208 Strong overload pressure transmitter

Selection rules:

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

Select model: PK208-AB1BKGO