

## PK208 Strong Overload Pressure Transmitter

### Certification



RoHS

Ex ia II C T4 Ga



### Application Scenarios



Construction machinery



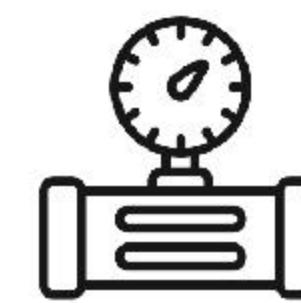
Pump and Compressor



Hydraulic/pneumatic systems



Water treatment



General pressure measurement

### Product Features

Range	Accuracy	Output	Overpressure
1 MPa... 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.

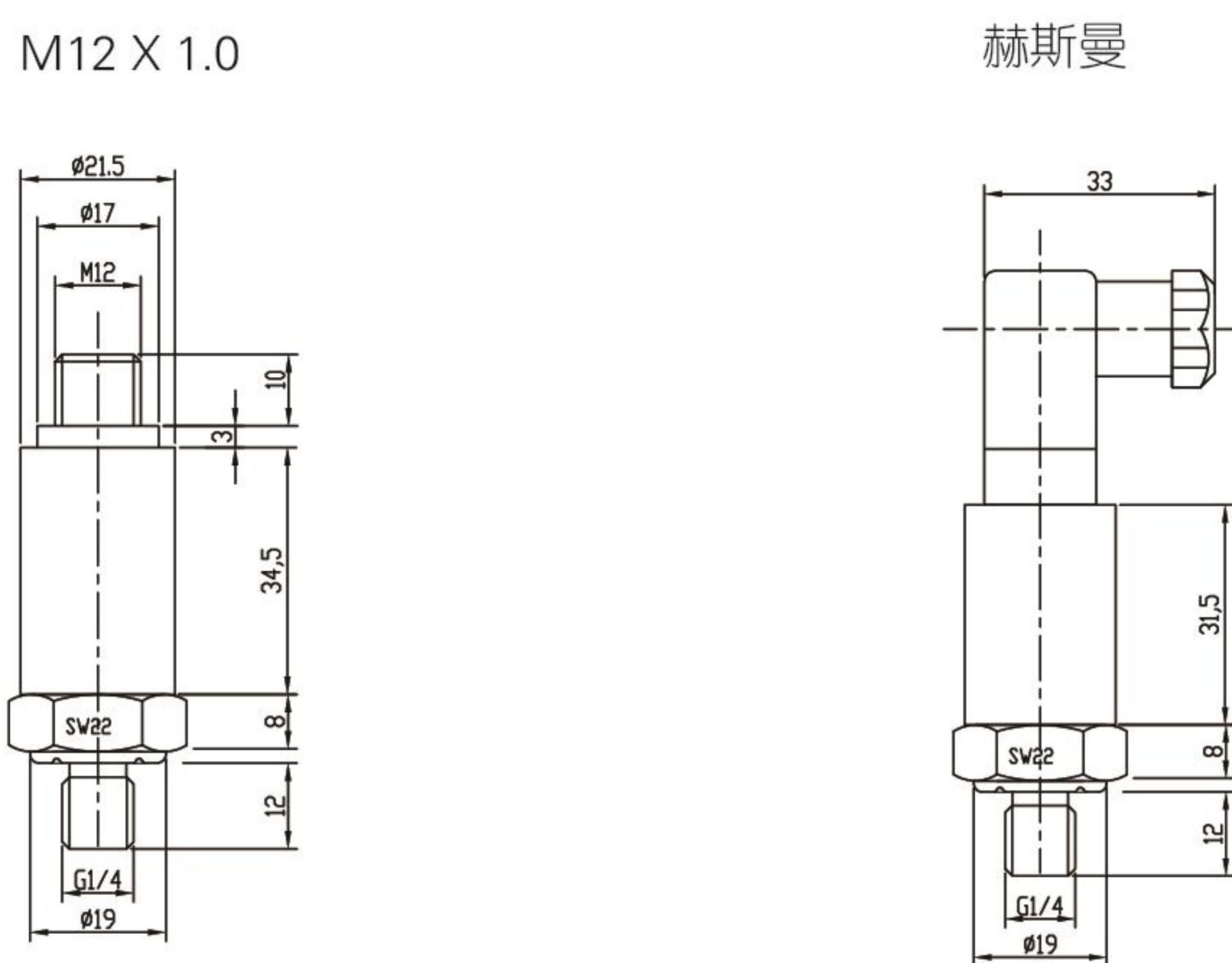
The product uses high-performance conditioning chips and integrated circuits to convert sensor millivolt or milliampere signals into standard voltage, current, or digital signals, which can be directly communicate with upper computer, PLC, various intelligent instruments, and control monitoring platforms.

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)



## 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

## Certification

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 30 40 50

## PK208 Strong overload pressure transmitter

## Selection rules:

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

Select model: PK208-AB1BKGO