

PK200 OEM pressure transmitter

Product Certification

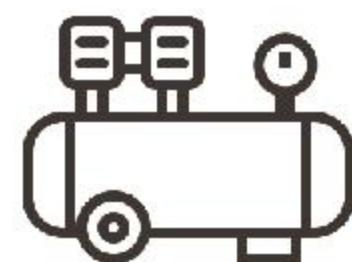


RoHS

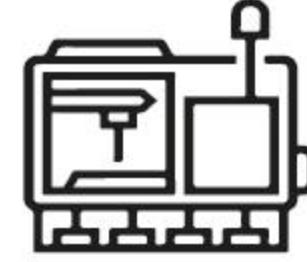
Ex ia II C T4 Ga



Application scenarios



Pump and Compressor



Mechanical equipment



Hydraulic system



Fire-fighting equipment



Automotive Electronics

Product features

Range

-100kPa to 100MPa gauge, negative, and absolute pressure

Accuracy

0.5%FS

Output signal

4...20mA, 0...5V, 0...10V, etc
Corrosion resistance, impact resistance, wear resistance, and media compatibility

Compact

Stainless steel structure, sturdy and durable, with small assemble space

Product Description

This product is an OEM matched pressure transmitter, which has excellent characteristics such as corrosion resistance, impact resistance, wear resistance, and media compatibility. It can come into direct contact with the vast majority of media.

Widely used in pumps and compressors, various mechanical equipment, hydraulic lubrication systems, fire protection equipment, and automotive electronics.

Long term stability is good, it can work with equipment matching ensures long-term high precision and stability, and better protects the equipment.

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.

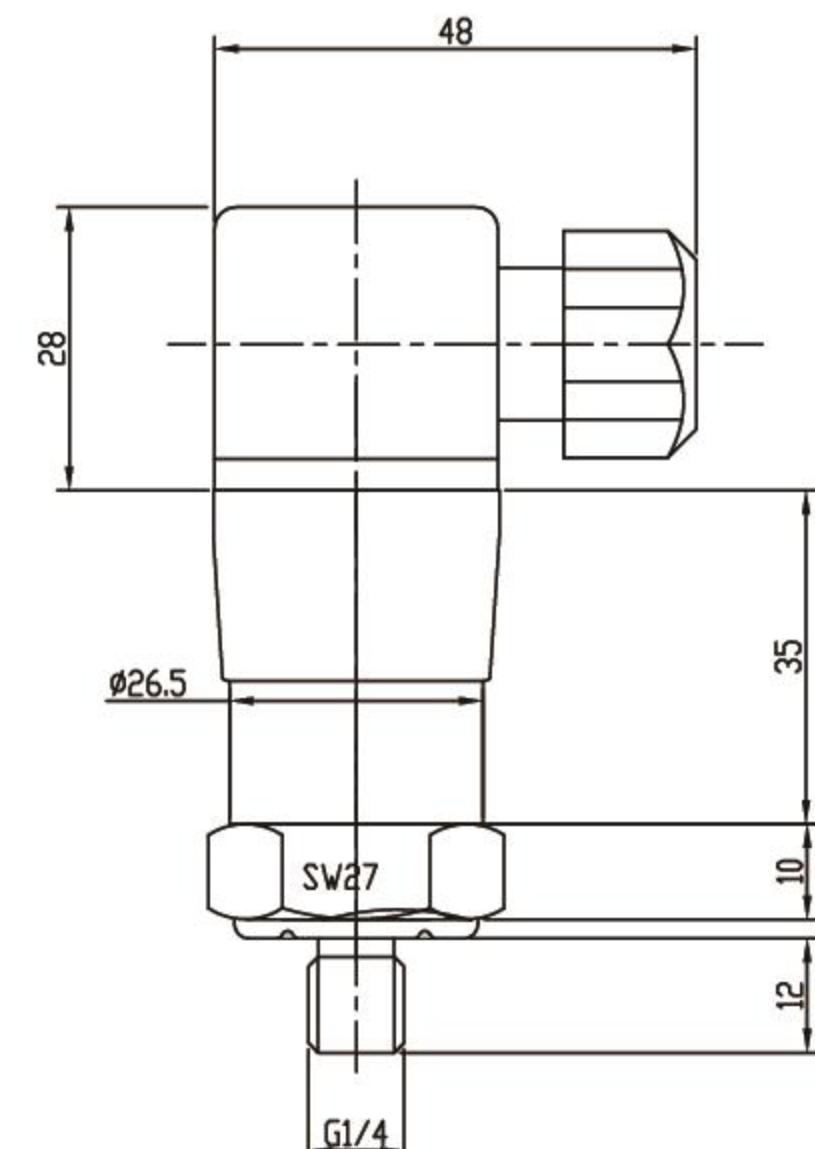
Compact structure, compact installation, stainless steel interface, ensuring durability, IP65 protection level, etc., ensuring that the product can adapt to various environments and climate conditions.

Technical Parameter

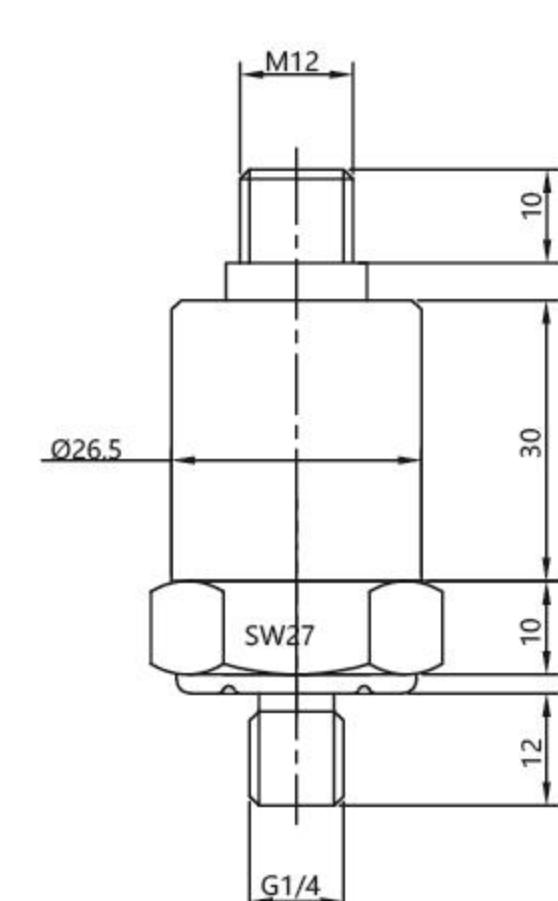
Application scenarios	Gauge, Absolute and Negative pressure
Measurement range	-0.1MPa.....0.....100MPa
Comprehensive accuracy	0.5%FS
Overpressure	2 times (\leq 16MPa); 1.5 times ($>$ 16MPa)
Response time	<5ms (rising to 90% FS)
Medium temperature	-40.....125°C
Operating temperature	-40.....125°C
Supply Voltage	DC24V (10..30 V DC)、DC3..5V (I2C)
Output signal	4...20mA、0...5V、0...10V、Modbus、HART
Sealing level	IP65
Shell material	SS 304, SS 316, anti-corrosion materials
Diaphragm material	Ceramic/316L
Stability performance	\pm 0.2% FS/year
Process connection	Thread, flange, clamp
Electrical connection	Shielded wire, aviation connector, tightening nut, Hirschmann, Parker connector

Specifications and Dimensions (Unit: mm)

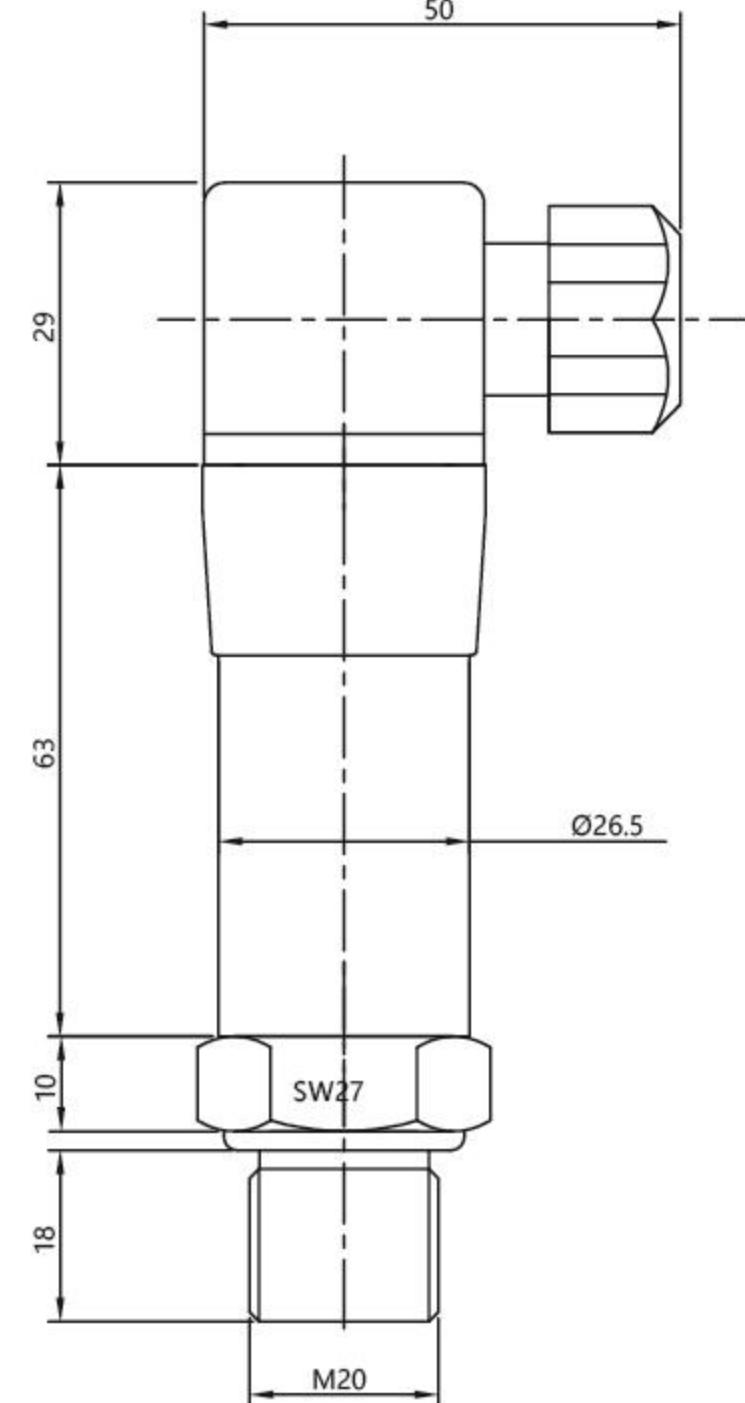
Exquisite - Hirschmann



Exquisite - M12



Standard-Hirschmann



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	N/C		
	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	N/C		
	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

A Standard (stainless steel)+M12
B Standard (stainless steel)+Hirschmann connector
D Standard (stainless steel)+Aviation connector
E Standard (stainless steel)+waterproof type
H Exquisite (stainless steel)+Hirschmann connector
J Exquisite (stainless steel)+M12 connector
K Exquisite (stainless steel)+waterproof type
L Exquisite (stainless steel)+Parker connector
Y Customized

Output	Range		Process Connection	
	MA	10kPa	GM	M20x1.5
1 4-20mA	BA	40kPa	GN	NPT1/2
2 4-20mA + Display	BB	100kPa	NN	NPT1/2 F female
3 0-10V	BW	200kPa	GO	G1/4
4 0-10V + Display	BC	400kPa	NO	G1/4 F female
5 Modbus	BD	600kPa	GP	G1/2
6 Modbus + Display	BE	1MPa	NP	G1/2 F female
7 4-20mA Hart	BF	1.6MPa		GQ
8 4-20mA Hart + Display	BG	2.5MPa	A	Absolute
D I2C Communication	BH	4MPa	M	Negative
	BI	10MPa		
	BM	20MPa		
	BN	30MPa		
	BK	40MPa		
	BL	60MPa		
	BR	100MPa		
	YY	Customized	GT	NPT1/4
			NT	NPT1/4 F female
			YY	Customized

10

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Selection rules:

Requirements: Hirschmann connector, 4-20mA output, 1MPa gauge pressure, and G1/4 thread

Select model: PK200-AB1BEGGO