

PK200 OEM pressure transmitter

Product Certification

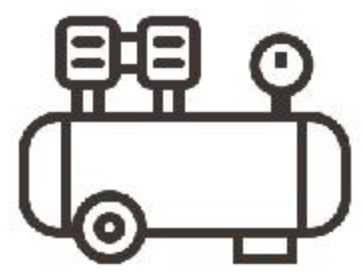


RoHS

Ex ia II C T4 Ga



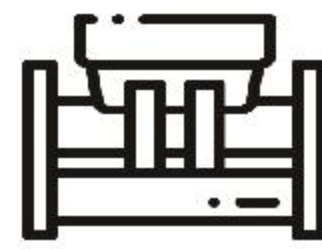
Application scenarios



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.

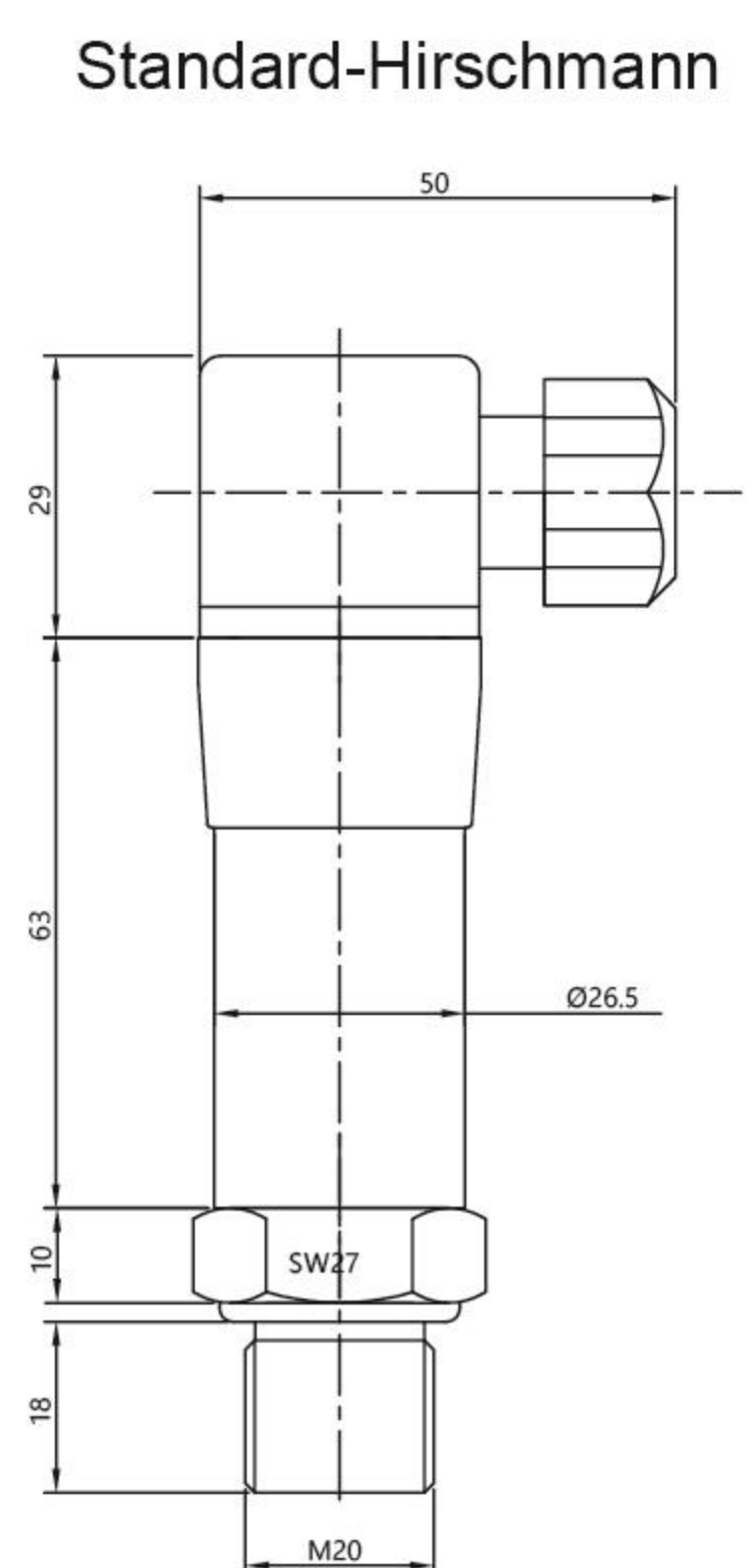
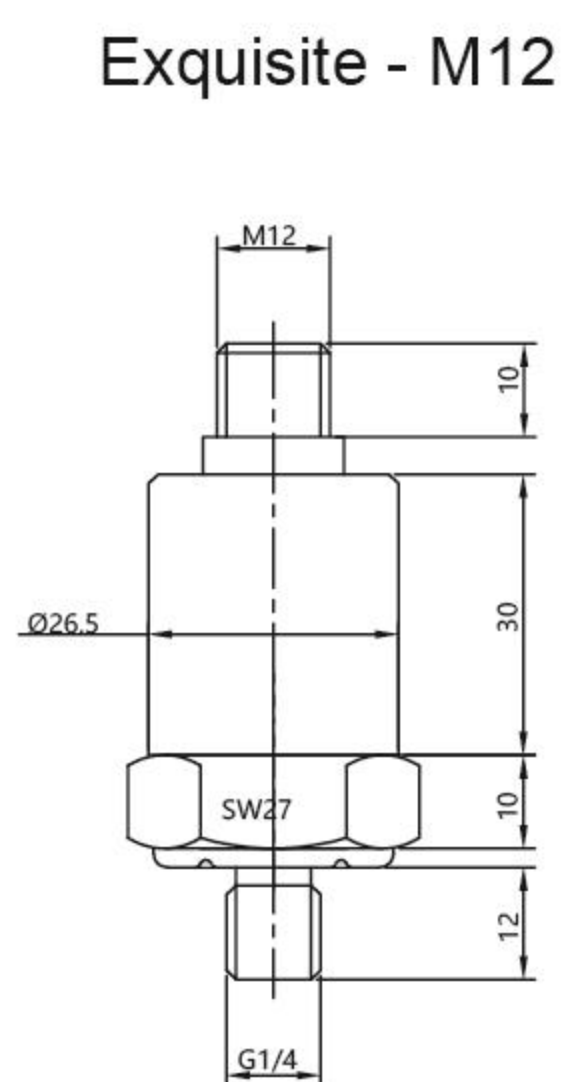
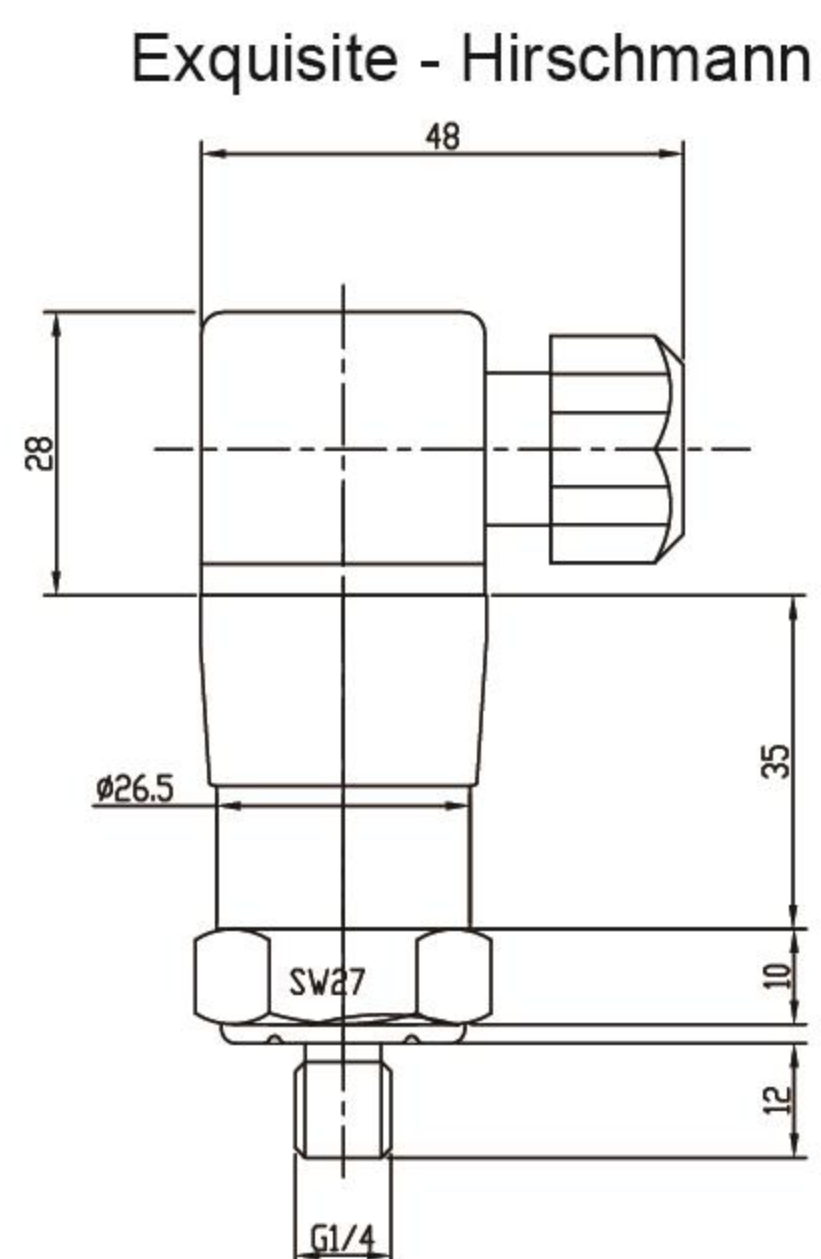
The product uses high-performance conditioning chips and integrated circuits to convert sensor millivolt or milliampere signals into standard voltage, current, or digital signals, which can be directly communicate with upper computer, PLC, various intelligent instruments, and control monitoring platforms.

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 ($\leq 16\text{MPa}$); 1.5 times ($>16\text{MPa}$)
Response time	$<5\text{ms}$ (rising to 90% FS)
Medium temperature	$-40\text{.....}125^\circ\text{C}$
Operating temperature	$-40\text{.....}125^\circ\text{C}$
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)



Electrical Connection

4-20mA Current Output						
	Pin	Description		Pin	Description	
	1	PS +		4	1	PS +
	2	PS -		3	2	PS -
	3	N/C		1	3	N/C
4	\oplus		4	4	N/C	
0-10V, 0-5V Voltage Output						
	Pin	Description		Pin	Description	
	1	PS +		4	1	PS +
	2	PS -/V -		3	2	PS -/V -
	3	V +		1	3	V +
4	\oplus		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

- 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

- 1 4-20mA
- 2 4-20mA + Display
- 3 0-10V
- 4 0-10V + Display
- 5 Modbus
- 6 Modbus + Display
- 7 4-20mA Hart
- 8 4-20mA Hart + Display
- D I2C Communication

Range

- MA 10kPa
- BA 40kPa
- BB 100kPa
- BW 200kPa
- BC 400kPa
- BD 600kPa
- BE 1MPa
- BF 1.6MPa
- BG 2.5MPa
- BH 4MPa
- BI 10MPa
- BM 20MPa
- BN 30MPa
- BK 40MPa
- BL 60MPa
- BR 100MPa
- YY Customized

Type

- G Gauge
- A Absolute
- M Negative

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
- GQ NPT3/4
- GR G1
- GS G2
- GT NPT1/4
- NT NPT1/4 F female
- YY Customized

10 20 30 40 50 60

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Selection rules:

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

Select model: PK200-AB1BEGGO