

PK402 Flush Sanitary Pressure Transmitter

Product Certification



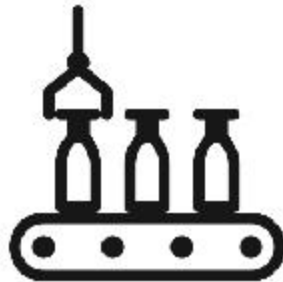
Application Scenarios



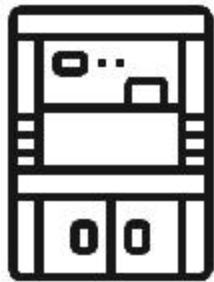
Medical
equipment



Pharmaceutical
equipment



Food
Machinery



Hygiene and sterility
measurement



Product Features

Range	Accuracy	Output	Electrical Connection	Process Connection
-100kPa... 40MPa Gauge, Absolute and Negative	0.2%FS	4...20mA 、 0...5V、 0...10V etc.	Hirschmann connectors, aviation connectors, waterproof plugs, etc	G1/2 flush type, M20 × 1.5 flush type, clamp flush type

Product Description

This product is a pressure transmitter with an oil filled core body. As a pressure sensor, the oil filled core body has high precision, high stability, excellent long-term stability and reliability.

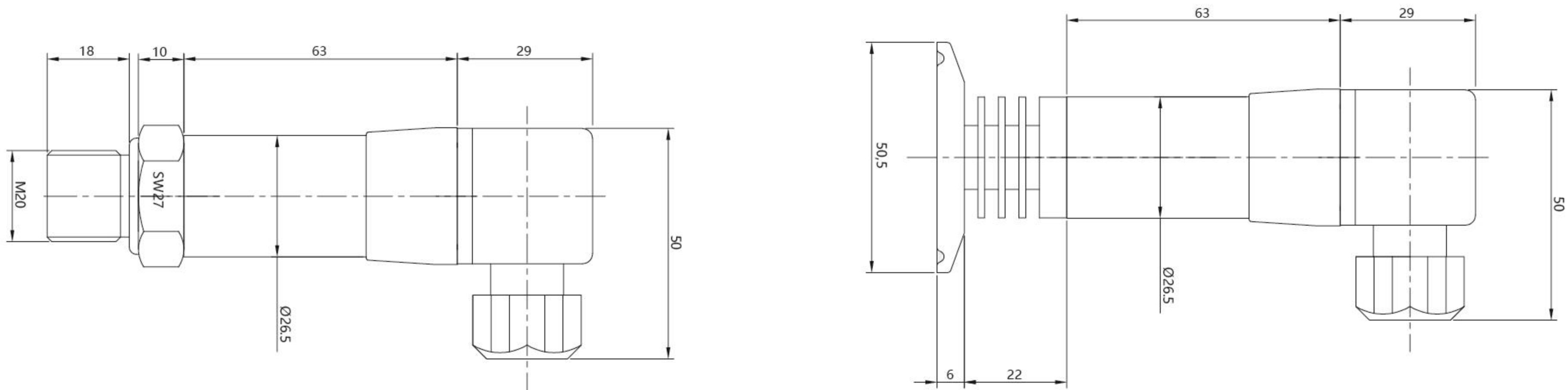
The sanitary design of the flat film ensures that the product can be applied in the fields of medical equipment, pharmaceutical equipment, food machinery, and sterile hygiene measurement.

Compact structure, compact installation, stainless steel interface, ensuring durability, intrinsic safety, explosion-proof, and IP6 protection level (IP68 waterproof) ensure a hygienic environment.




Technical Parameter

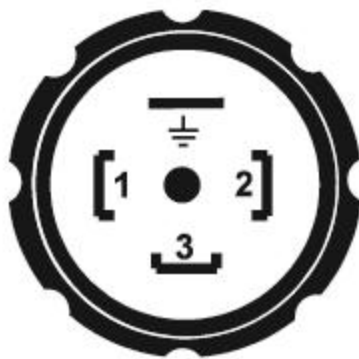


Application scenarios	Gauge, Absolute, and Negative pressure
Measurement range	-0.1MPa.....0.....40MPa
Comprehensive accuracy	0.2%FS
Overpressure	1.5 times
Response time	<5ms (rising to 90% FS)
Medium temperature	-20.....70℃
Operating temperature	-40.....85℃
Supply Voltage	DC24V（10...30 V DC）、DC3...5V(I2C)
Output signal	4...20mA、0...5V、0...10V、Modbus、HART
Sealing level	IP65, IP68 (waterproof type)
Connection material	Stainless steel 304, stainless steel 316
Diaphragm material	Stainless steel 316
Stability performance	0.2% FS/year
Process connection	Thread, clamp
Electrical connection	Shielded wire, aviation connector, tightening nut, Hirschmann, Parker connector

Specifications and Dimensions



Electrical Connections

4-20mA Current Output					
	Pin	Description		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					
	Pin	Description		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

Authentication

- ACommon
- BNEPSI Ex ia IIC T4

Shell+Communication interface

- AStandard (stainless steel)+M12
- BStandard (stainless steel)+Hirschmann M16
- DStandard (stainless steel)+Aviation plug
- EStandard (stainless steel)+Waterproof plug
- YCustomized

Output

- 14-20mA
- 24-20mA + Display
- 30-10V
- 40-10V + Display
- 5Modbus
- 6Modbus + Display
- 74-20mA Hart
- 84-20mA Hart + Display
- D I2C Communication

Range

- MA10kPa
- BA40kPa
- BB100kPa
- BW200kPa
- BC400kPa
- BD600kPa
- BE1MPa
- BF1.6MPa
- BG2.5MPa
- BH4MPa
- BI10MPa
- BM20MPa
- BN30MPa
- BK40MPa
- YYCustomized

Type

- GGauge
- AAbsolute
- MMNegative

Process Connection

- PRG1 Flush type
- PPG1/2 Flush type
- PM M20x1.5 Flush type
- TA Clamp flush type (ϕ 50.5)
- YYCustomized

102030405060

PK402 Flush Sanitary Pressure Transmitter

Selection rules:

Requirements: Hirschmann connector, 4-20mA output, 1MPa gauge pressure, and G1/2 flush

Select model: PK402-AB1BEGPP