

PK402 Flush Sanitary Pressure Transmitter

Product Certification



RoHS

Ex ia IIC T4 Ga



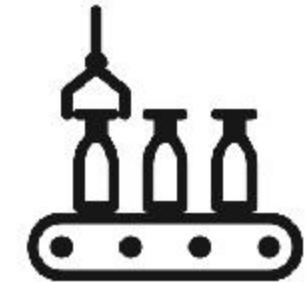
Application Scenarios



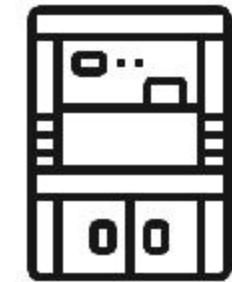
Medical equipment



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.

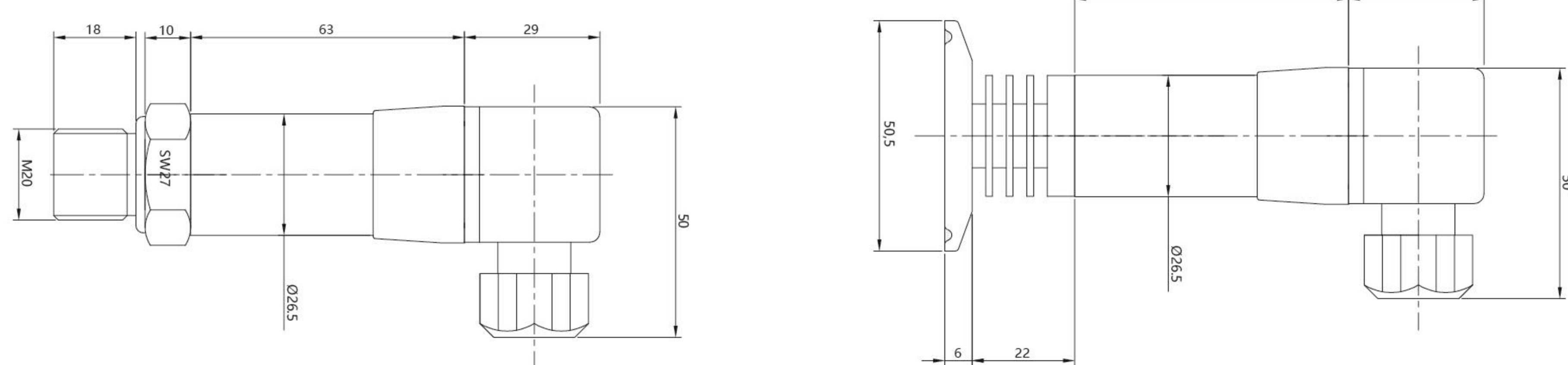
The sanitary design of the flat film ensures that the product can be applied in the fields of medical equipment, pharmaceutical equipment, food machinery, and sterile hygiene measurement.

Compact structure, compact installation, stainless steel interface, ensuring durability, intrinsic safety, explosion-proof, and IP68 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°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) |
| 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 | | | | | |
|-----------------------|-----|-------------|-----|-----|-------------|
| 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 |

Authentication

- A Common
B NEPSI Ex ia IIC T4

Shell+Communication interface

- A Standard (stainless steel)+M12
B Standard (stainless steel)+Hirschmann M16
D Standard (stainless steel)+Aviation plug
E Standard (stainless steel)+Waterproof plug
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
YY Customized

Process Connection

- PR G1 Flush type
PP G1/2 Flush type
PM M20x1.5 Flush type
TA Clamp flush type (φ 50.5)
YY Customized

Type

- G Gauge
A Absolute
M Negative

10 20 30 40 50 60

PK402 Flush Sanitary Pressure Transmitter

Selection rules:

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

Select model: PK402-AB1BEGPP