

PK404 High Temperature Pressure Transmitter

Product Certification



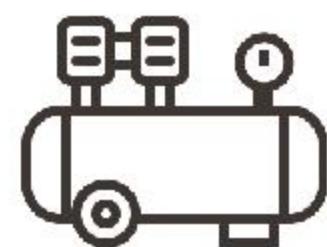
RoHS

Ex ia II C T4 Ga

Application Scenarios



Building water supply system



Pump and Compressor



Hydraulic/pneumatic systems



Measurement and Control field



Product Features

Range	Accuracy	Medium Temperature	Output	Electrical Connection	Process Connection
-100kPa... 100MPa-Gauge、Negative and Absolute	0.2%FS	-20...250°C	4...20mA、0...5V、0...10V etc.	Customizable forms of Hirschmann connectors, aviation connectors, waterproof plugs, etc	G1/4, M20, NPT1/2 and other types are abundant, covering the vast majority of interface forms

Product Description

This product serves as a high-temperature pressure transmitter and can measure the temperature range of the medium: -40... 250 °C. It is used for stable measurement and monitoring pressure of high temperatures such as steam and hot oil medium.

Widely used in constant pressure water supply systems, pumps and compressors, hydraulic/pneumatic systems, various measurement and control fields.

As a pressure sensor, the oil filled core has high precision, high stability, excellent long-term stability, and reliability.

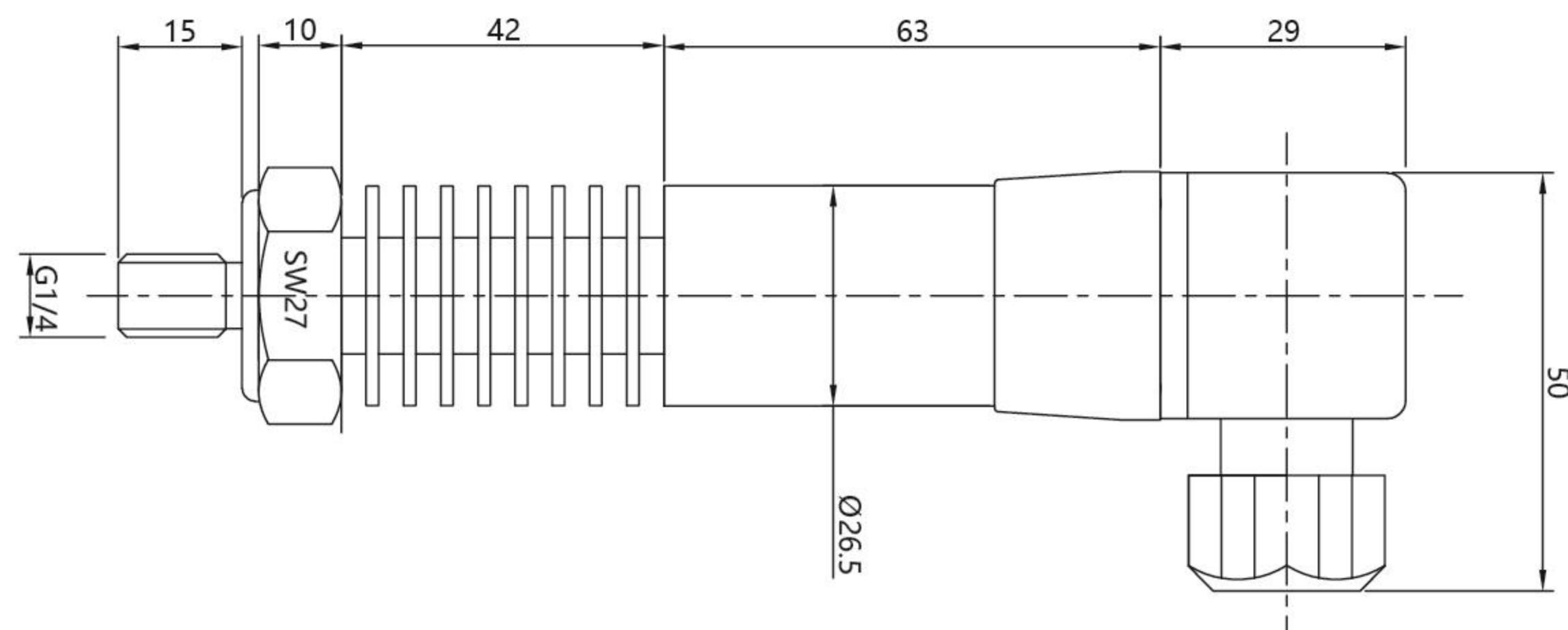
The product uses high-performance conditioning chips and integrated circuits to convert sensor millivolt or milliamper signals into standard voltage, current, or digital signals, which can be directly communicate with upper computer, PLC, various intelligent instruments, and control monitoring platforms.

Compact structure, compact installation, stainless steel interface, ensuring durability, IP65 protection level (IP68 waterproof type) and intrinsic safety certification allow the product to adapt various harsh working conditions.

Technical Parameter

Application scenarios	Gauge, Absolute and Negative pressure
Measurement range	-0.1MPa.....0.....100MPa
Comprehensive Accuracy	0.2%FS
Overpressure	1.5 times
Response time	<5ms (rising to 90% FS)
Medium temperature	-40.....250°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	SS 304, SS 316, anti-corrosion materials
Diaphragm material	Stainless Steel 316
Stability performance	0.2% FS/year
Process connection	Thread, flange, clamp
Electrical connection	Shielded wire, aviation connector, tightening nut, Hirschmann

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

Certification

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 type
E Standard (stainless steel)+waterproof plug type
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

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

PK404 high temperature pressure transmitter

Selection rules:

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

Select model: PK404-AB1BEGGO