

PK664 High Temperature Pressure Transmitter

Certification



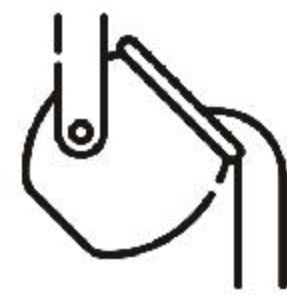
RoHS



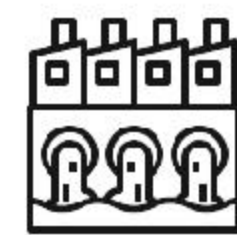
Application Scenarios



Petroleum and Petrochemical



Ferrous metallurgy



Water treatment system



Measurement and control field

Product Features

Range	Accuracy	Medium temp	Connector material	Diaphragm material
-100kPa... 60MPa-gauge, negative and absolute pressure	0.1%FS	-40...250°C	Stainless steel 304, stainless steel 316, anti-corrosion materials	Stainless steel 316

Product Description

This product is used as a high-temperature pressure transmitter, with a comprehensive accuracy of up to 0.1% FS. It can measure the temperature range of the medium: -40... 250 °C, and is used for stable measurement and monitor the pressure of high-temperature media such as steam and hot oil.

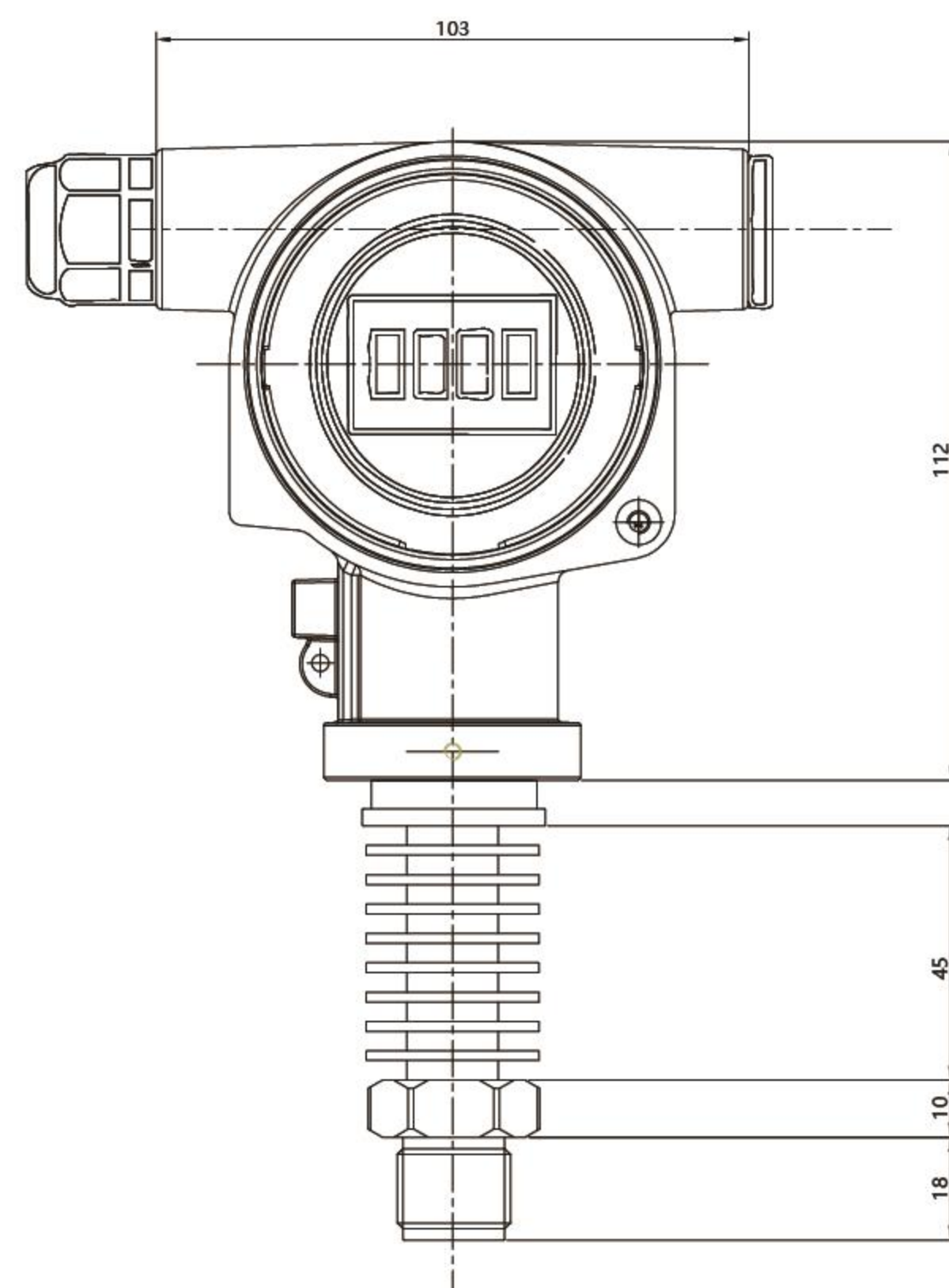
Widely used in petroleum and petrochemicals, various chemical industries, steel metallurgy, water treatment systems, and industry measurement and control fields.

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.

Technical Parameter

Application scenarios	Gauge pressure, Absolute pressure, and Negative pressure
Measurement range	-0.1MPa.....0.....60MPa
Comprehensive accuracy	0.1%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)
Output signal	4...20mA 、 0...5V、 0...10V、 Modbus、 HART
Sealing level	IP65
Connection material	SS 304, SS 316, anti-corrosion materials
Diaphragm material	Stainless steel 316
Stability performance	0.1% FS/year
Process connection	Thread, flange, clamp
Electrical connection	M20、 NPT1/2、 G1/2、 M12

Specifications and Dimensions



Certification

- A Common
- B NEPSI Ex ia IIC T4
- C NEPSI Ex d IIC T6
- E NEPSI Ex d ia IIC T6

Shell+Communication interface

- M Aluminum shell+cable plug M20
- L Aluminum shell+cable plug G1/2
- N Aluminum shell+cable plug NPT1/2
- K Aluminum shell+cable plug M12
- 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

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
- 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

Diaphragm

- S 316L
- P PFA cladding
- H Hastelloy alloy
- T Tantalum diaphragm
- G Gold-plated diaphragm
- Y Customized

10

20

30

40

50

60

70

PK664 High Temperature Pressure Transmitter

Selection rules:

Requirements: Explosion proof certification, M20 communication interface, 4-20mA Hart+display, 1MPa gauge pressure, and G1/4

Select model: PK664-CM8BEGGOS