

# PK464 High Temperature Pressure Transmitter

## Product Certification



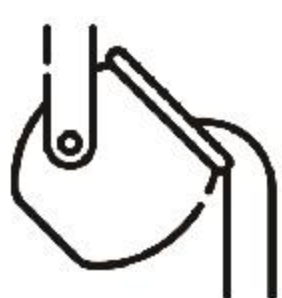
RoHS



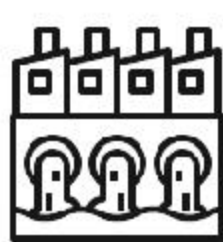
## Application Scenarios



Petroleum and Petrochemical



Ferrous metallurgy



Water treatment system



Measurement and Control field

## Product Features

Range	Accuracy	Medium Temp	Connection Material	Diaphragm Material
-100kPa 100MPa Gauge, Negative and Absolute pressure	0.2%FS 、 0.5%FS	-40...250℃	Stainless steel 304, Stainless steel 316, anti-corrosion materials	Stainless steel 316

## Product Description

This product serves as an explosion-proof high-temperature pressure transmitter, capable of measuring the temperature range of the medium: -40... 250 °C, used for stable measurement and monitoring of high-temperature steam and heat.

The pressure of high-temperature media such as oil. Widely used in petroleum and petrochemical, various chemical industries, steel metallurgy, water treatment systems, and various measurement and control fields.

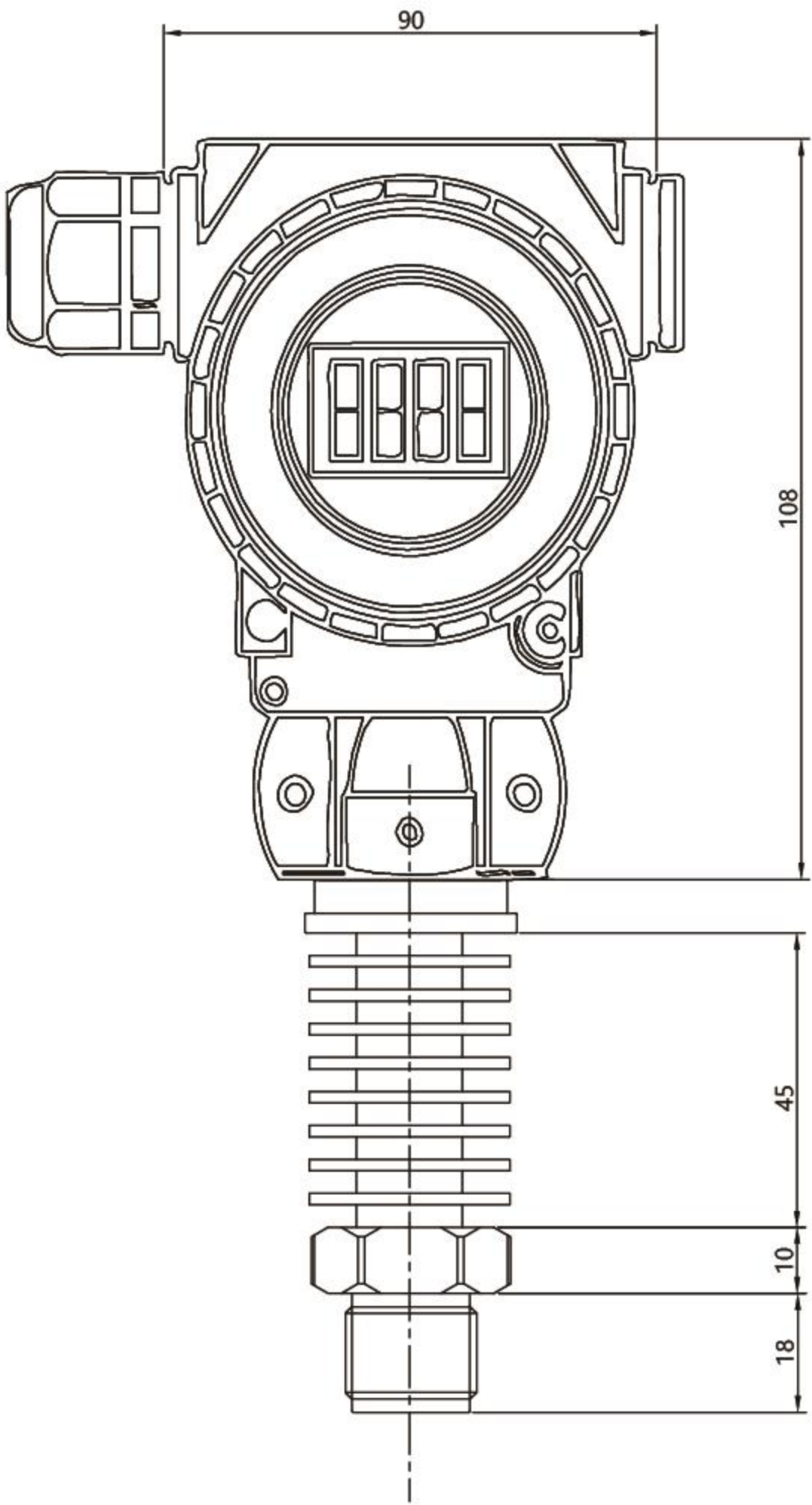
As a pressure sensor, the oil filled core has high precision, high stability, excellent long-term stability, and reliability.

Compact structure, compact installation, stainless steel interface, ensuring sturdiness and durability, IP65 protection level and intrinsic safety and explosion-proof certification allow the product to adapt to various harsh conditions and media.

Technical Parameter

Application scenarios	Gauge, Absolute and Negative pressure
Measurement range	-0.1MPa.....0.....100MPa
Comprehensive accuracy	0.2%FS、0.5%FS
Overpressure	1.5 times
Response time	<5ms (rising to 90% FS)
Medium temperature	-40.....250℃
Operating temperature	-40.....85℃
Supply voltage	DC24V ( 10...30 V DC )
Output signal	4...20mA 、 0...5V、 0...10V、 Modbus
Sealing level	IP65
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	M20、NPT1/2

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+M20 communication interface
- N Aluminum shell+NPT1/2 communication interface
- S All stainless steel housing
- 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
- BR 100MPa
- YY Customized

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

Accuracy

- E 0.2%FS
- K 0.5%fS

Type

- G Gauge
- A Absolute
- M Negative

PK464 high temperature pressure transmitter

Selection rules:

Requirements: Explosion proof certification, M20 communication interface, 4-20mA output, 1MPa gauge pressure, G1/4 thread

Select model: PK464-CM1BEGGOE