

## PK260 Hydrogen Pressure Transmitter

### Product Certification



RoHS



Aluminum shell

### Application Scenarios



Hydrogen refueling station



Storage and transportation of hydrogen energy



Petroleum &amp; Petrochemical



Machinery manufacturing



Ferrous metallurgy



Integrated

### Product Features

Range	Accuracy	Output	Connection Material
0...200MPa	0.2%FS、 0.25%FS、 0.5%FS	4...20mA、0...5V 、0...10V、 Modbus、HART	Stainless Steel 316L

### Product Description

The product structure is an integral metal seal that complies with the requirements of GB4962- Safety Technical Regulations for the Use of Hydrogen Gas. Combined with special safety design, it can satisfy applications in hydrogen rich and high-pressure conditions, while also effectively avoiding secondary disasters caused by product rupture.

Pressure types are divided into gauge pressure, absolute pressure, and differential pressure, the maximum pressure range can reach 200MPa.

We have adopted leading silicon piezoresistive, glass micro melting, and sputtering thin film technologies. Capable of meeting the needs of customers with high precision, high reliability, and excellent long-term stability requirement. The accuracy level can be selected from the following series: 0.2% FS, 0.25% FS, 0.5% FS.

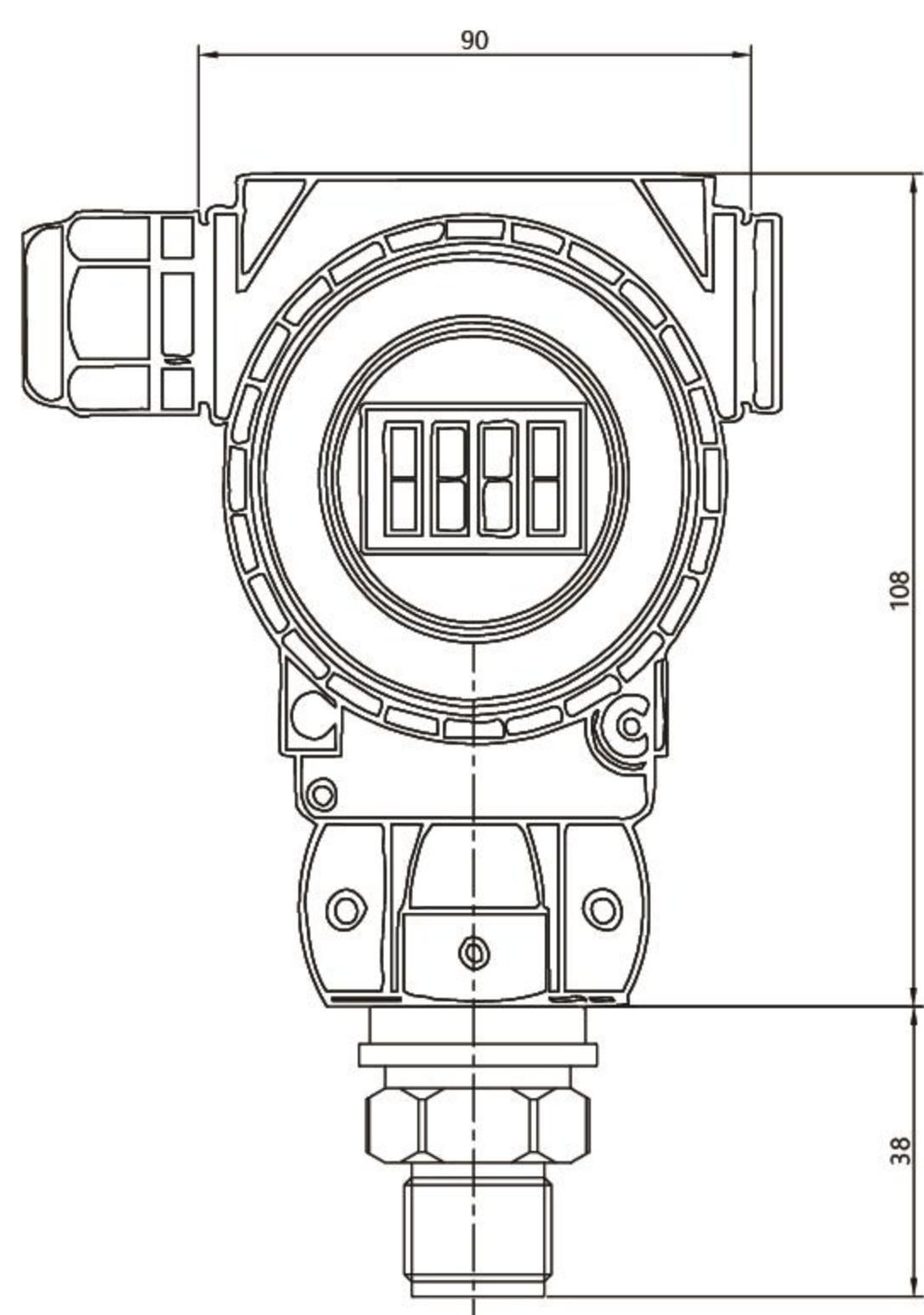
To meet the requirements of the hydrogen industry, the sensor adopts an all stainless steel design, and all liquid receiving surfaces are treated with special materials and special processes, effectively pre heating anti hydrogen embrittlement and hydrogen permeation.

## Technical Parameter

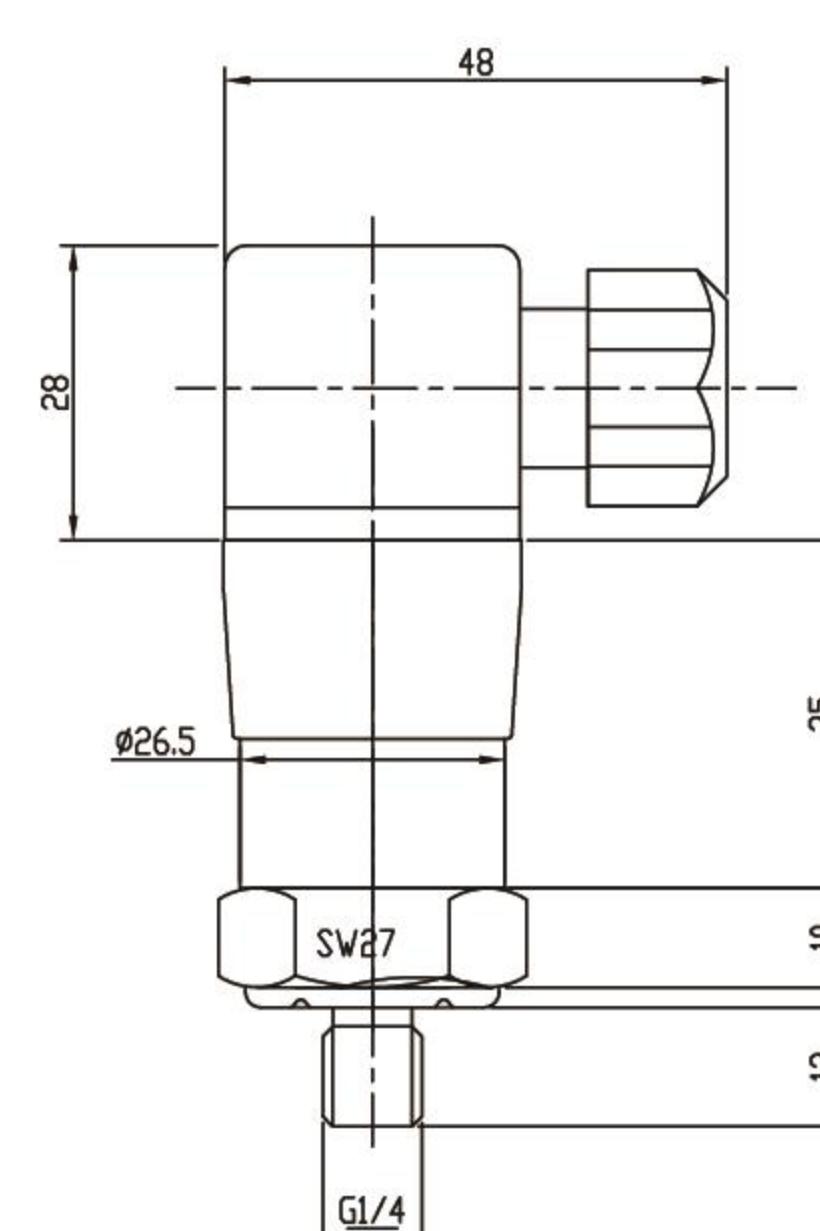
Application scenarios	Gauge, Negative, Absolute pressure
Measurement range	0.....200MPa
Comprehensive accuracy	0.2%FS、0.25%FS、0.5%FS
Overpressure	1.5 times-3 times
Response time	<5ms (rising to 90% FS)
Medium temperature	-40.....125°C
Operating temperature	-40.....125°C
Supply voltage	DC24V (10...30 V DC) 、 DC3...5 V (I2C)
Output signal	4...20mA 、 0...5V 、 0...10V 、 Modbus、 HART
Sealing level	IP65
Connection material	Stainless steel 316L
Diaphragm material	Stainless steel 316L, gold-plated diaphragm
Stability performance	0.2% FS/year
Process connection	Thread, flange
Electrical connection	M20, NPT1/2, Hirschmann, M12, etc

## Specifications and Dimensions

Aluminum housing



Integrated - Hirschmann



## 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

1 Integrated+M12 connector

2 Integrated+Hirschmann connector

3 Integrated+aviation connector

4 Integrated+waterproof type

S All stainless steel housing

Y Customized

## 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

BO 50MPa

BL 60MPa

BM 70MPa

BR 100MPa

BT 140MPa

BU 200MPa

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

GT NPT1/4

NT NPT1/4 F Female

YY Customized

## Type

G Gauge

A Absolute

M Negative

## Accuracy

E 0.2%FS

F 0.25%FS

K 0.5%fS

10 20 30 40 50 60 70

## PK260 Hydrogen Pressure Transmitter

## Selection rules:

Requirements: Explosion proof, M20 communication connector, 4-20mA output with display, 40MPa gauge pressure \ 0.25% FS, and NPT1/4 thread

Select model: PK260-CM2BKGGTF