

PK860 Pressure Transmitter

Product Certification



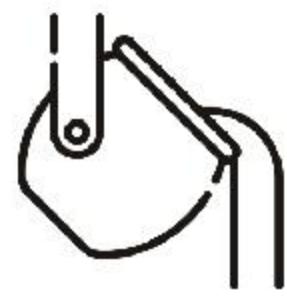
RoHS



Application Scenarios



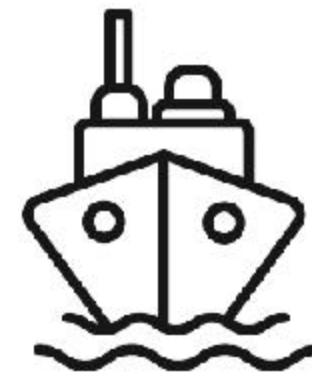
Petrochemical industry



Ferrous metallurgy



Water treatment system



Shipbuilding



Industrial measurement and control field

Product Features

Range	Accuracy	Output	Connection material	Diaphragm material
-100kPa... 60MPa-gauge, negative, and absolute pressure	0.05%FS、0.075%FS、0.1%FS	4...20mA、0...5V、0...10V、Modbus、HART	Stainless steel 304, stainless steel 316, duplex steel, Hastelloy alloy, zirconium material, etc	Stainless steel 316, Hastelloy alloy, tantalum, PFA coating, gold-plated

Product Description

The pressure transmitter of this product has a comprehensive accuracy of 0.05% FS and a wide pressure range of -100kPa to 60MPa, gauge pressure, negative pressure, and absolute pressure

The pressure types are complete and the annual drift is very small, at 0.05% FS/year. The performance is very stable, with excellent long-term stability.

The product has obtained intrinsic safety and explosion-proof certification, and its high reliability performance is widely used in petroleum and petrochemical, steel metallurgy, water treatment systems, shipbuilding industrial measurement and control field.

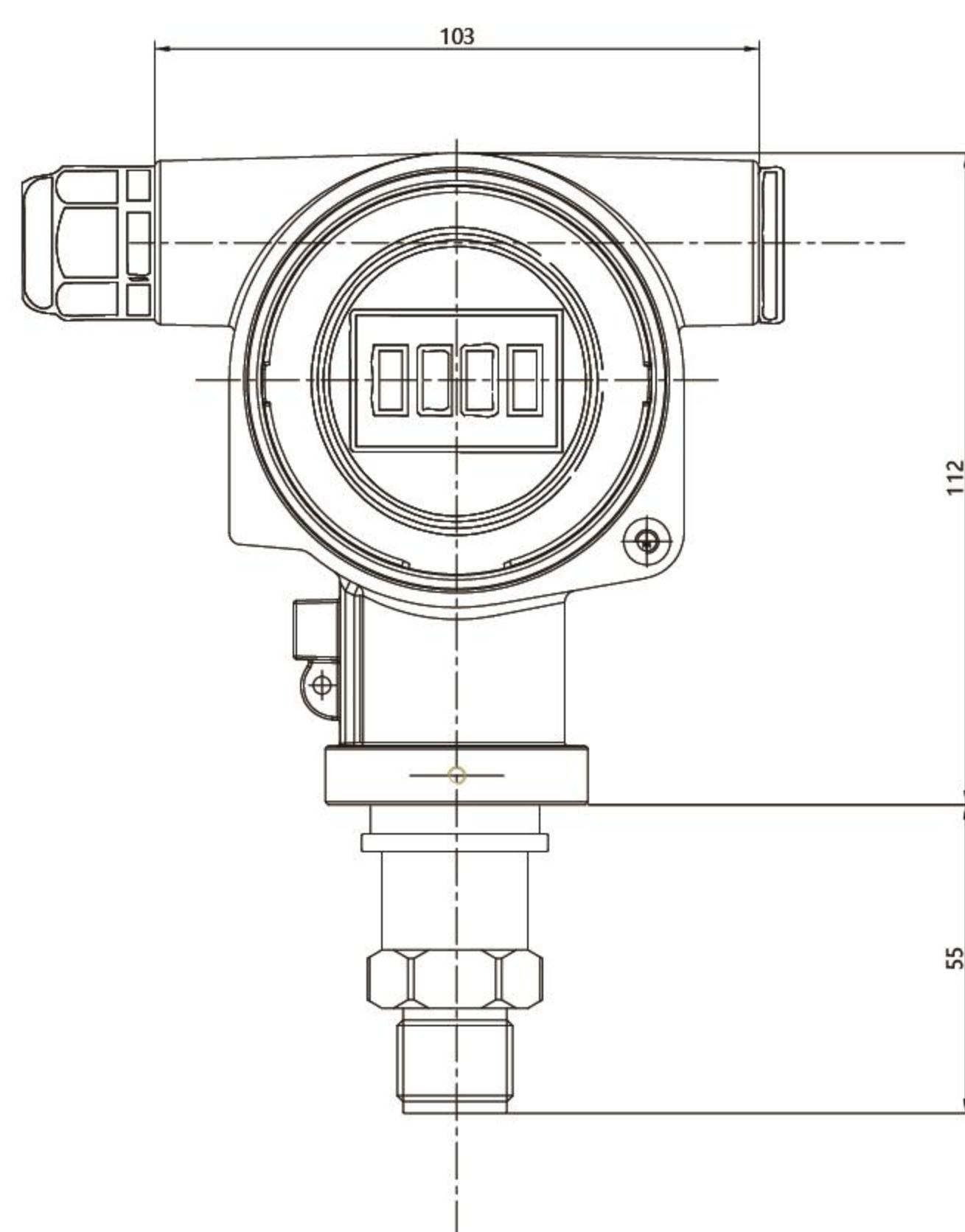
The product uses high-performance conditioning chips and integrated circuits to convert sensor millivolt or milliampere signals into standard voltage, current, or digital signals, which can be directly communicate with upper computer, PLC, various intelligent instruments, and control monitoring platforms.

There are various types of connection materials and membrane materials, including stainless steel 304, stainless steel 316, anti-corrosion materials, Hastelloy alloy, titanium alloy, etc., which can be adjusted according to on-site working conditions

Technical Parameter

Application scenarios	Gauge, Absolute and Negative pressure
Measurement range	-0.1MPa.....0.....60MPa
Comprehensive accuracy	0.05%FS、0.075%FS、0.1%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)
Output signal	4...20mA、0...5V、0...10V、Modbus、HART
Sealing level	IP65
Connection material	SS 304, SS 316, duplex steel, Hastelloy, zirconium, etc
Diaphragm material	SS 316, Hastelloy alloy, tantalum, PFA coating, gold-plated
Stability performance	0.05% FS/year
Process connection	Thread, flange
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

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
BL	60MPa
YY	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

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
1A	DIN 11851 DN25
1B	DIN 11851 DN32
1C	DIN 11851 DN40
1D	DIN 11851 DN50
DA	EN/DIN Flange DN25 PN10-40 B1
DB	EN/DIN Flange DN32 PN10-40 B1
DC	EN/DIN Flange DN40 PN10-40 B1
DD	EN/DIN Flange DN50 PN10-40 B1
DE	EN/DIN Flange DN80 PN10-40 B1
AA	ASME Flange 1" 300lbs RF
AB	ASME Flange 1-1/2" 150lbs RF
AC	ASME Flange 1-1/2" 300lbs RF
AD	ASME Flange 2" 150lbs RF
AE	ASME Flange 2" 300lbs RF
AF	ASME Flange 3" 150lbs RF
AG	ASME Flange 3" 300lbs RF
AH	ASME Flange 4" 150lbs RF
AI	ASME Flange 4" 300lbs RF
HK	HG/T20592 Flange DN25 PN10/40 RF
HA	HG/T20592 Flange DN50 PN10/40 RF
HB	HG/T20592 Flange DN63 PN10/40 RF
HC	HG/T20592 Flange DN80 PN10/40 RF
HD	HG/T20615 Flange NPS 2" Cl.150 RF
HE	HG/T20615 Flange NPS 3" Cl.150 RF
HF	HG/T20615 Flange NPS 2" Cl.300 RF
HG	HG/T20615 Flange NPS 3" Cl.300 RF
YY	Customized

Process connection material

L	304
S	316L
D	Dual phase steel
H	Hastelloy alloy
Z	Zirconium
Y	Customized

Diaphragm

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

Accuracy

A	0.05%
B	0.075%
C	0.1%

10 20 30 40 50 60 70 80 90

PK860 Pressure Transmitter

Selection rules:

Requirements: Explosion proof certification, M20 communication interface, 4-20mA Hart+display, 1MPa gauge pressure, 0.05% FS, G1/4, and threaded material 316L

Select model: PK860-CM8BEGGOSSA