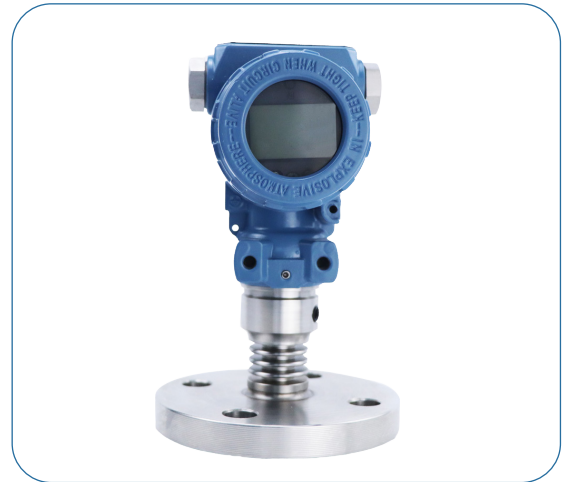


GPX700 SERIES FLANGE PRESSURE TRANSMITTER

FEATURES

- ◎ Flange mounting
- ◎ Flush membrane structure
- ◎ Isolation explosion-proof
- ◎ Designed for pressure vessels, tanks and other special environment



INTRODUCTION

The GPX700 series flange pressure transmitters are designed with high-reliability core components, such as silicon piezoresistive sensors, ceramic capacitors, sapphire, and sputtering film pressure sensors, selected based on the specific needs of various industries. These transmitters undergo temperature compensation, digital circuit correction, and signal conditioning to provide accurate industrial standard outputs. Each product is rigorously tested through comprehensive design, component selection, process verification, cyclic loading, aging, and environmental simulation to ensure long-term stability and reliability.

APPLICATION

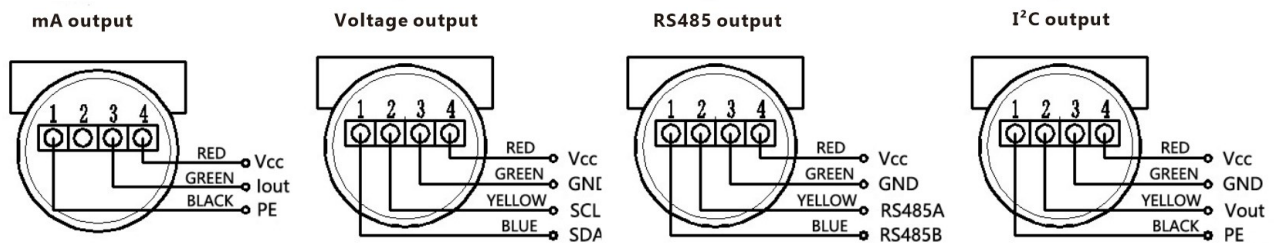
The GPX700 series flange pressure transmitters are versatile and highly reliable instruments designed for a wide range of pressure measurement applications across various industries. They are particularly well-suited for demanding environments, such as those found in coal mining, oil and gas extraction, chemical processing, civil explosion safety, environmental monitoring, healthcare, water management, and maritime sectors.

SPECIFICATIONS

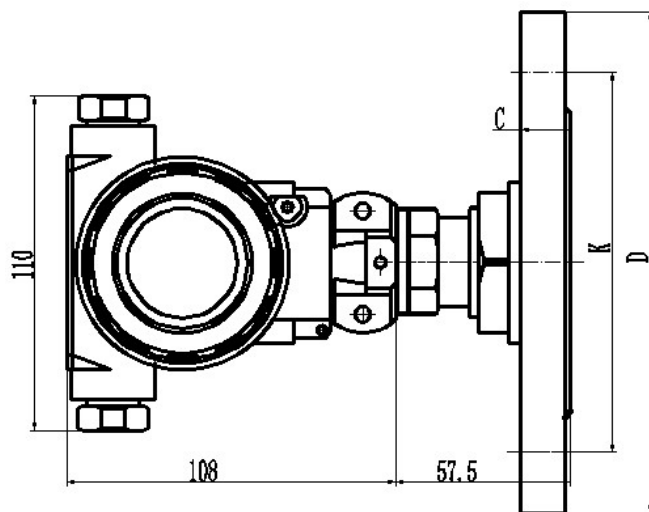
Pressure type	Gauge pressure, Absolute pressure, Sealed pressure
Pressure range	-0.1MPa~0kPa~10kPa...10MPa
Power supply	10VDC ~ 30VDC (Standard 24VDC)
Output signal	4mA ~ 20mA,HART, RS485, I ² C, 0V~10V (Others on request)
Overload pressure	≤ 200%(<10MPa), ≤ 150%(≥ 10MPa)
Response time	≤ 3ms(10%~90%)
Display	4-digit LED or LCD
Media temperature	-40℃ ~85℃

Temperature compensation	0 ~ +50°C ($\leq 200\text{kPa}$) , -10 ~ 60°C ($> 200\text{kPa}$)
Accuracy	0.1%FS, 0.25%FS, 0.5%FS
Measuring medium	Fluid compatible with 304, 316L or ceramic
Diaphragm material	316L, ceramics
Interface	304, 316L optional
Protection	IP65

ELECTRICAL CONNECTION



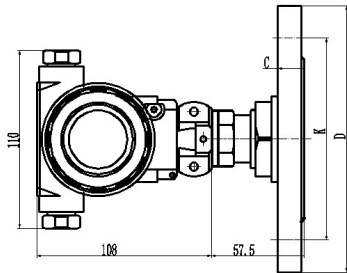
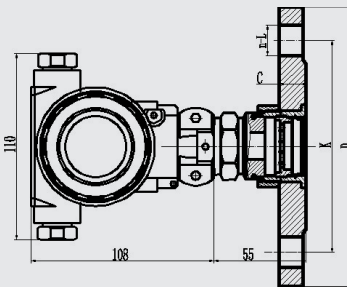
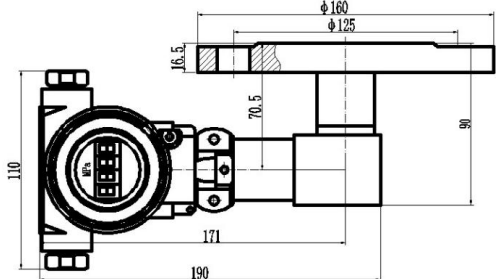
MECHANICAL CONNECTION



RECOMMENDED FLANGE SIZE

model	size	range
DN50	K=110 D=140 C=14	0.6 MPa
DN50	K=125 D=160 C=18	≥ 1.0 MPa
DN25	K=75 D=100 C=12	0.6 MPa
DN25	K=85 D=115 C=16	≥ 1.0 MPa

Flange size is available to be customized

Model	Feature	Drawing
GPX701	Welded structure, meets the hygienic requirements of the pharmaceutical and food industries	
GPX702	1.Ceramic capacitor flange type 2.Suitable for non-corrosive medium to ceramics and stainless steel 3.The pressure sensitive film is exposed, suitable for viscous media.	
GPX703	1.Available with anti-corrosion type. 2.Available with on-site display	

Note:

1. The flanges of the GPX701 and GPX702 can be customized. Please specify the flange dimensions when ordering.
2. When selecting the corrosion-resistant version of the GPX703, ensure compatibility between the housing material and the measured medium.
3. If there is a risk of the product being immersed or submerged, please make sure to specify this when ordering.
4. When choosing the anti-strong-corrosion version of the product, ensure proper protection for the housing and display head, as these components do not have anti-strong-corrosion capabilities.

ORDER FORMAT

GPX701 - H - M11B - A - F1 - L - MA - D1

Model
GPX701
GPX702
GPX703

Accuracy	Code
0.1%	C
0.25%	H
0.5%	M

Pressure range	Code
0~Bar	XBar
0~X KPa	XKPa
0~XMPa	XMPa
-x~X Bar	MxXB
-x~XKPa	MxXK

Pressure type	Code
Gauge pressure	Null
Absolute pressure	A
Sealed pressure	S

Code	Display
D1	4-digit LCD
D2	4-digit LED

Code	Output signal
MA	4~20mA
V1	0~10V
R4	RS485
HT	HART
I2	I ² C

Code	Diaphragm material
L	316L
C	Ceramics
Others on request	

Code	Process connection
F1	Flange DN25
F2	Flange DN50
Others on request	