

GPE200 SERIES SANITARY PRESSURE TRANSMITTER

FEATURES

- ☉ Sanitary type
- ☉ Fully welded isolation diaphragm
- ☉ Designed for medicine, food, microelectronics industry



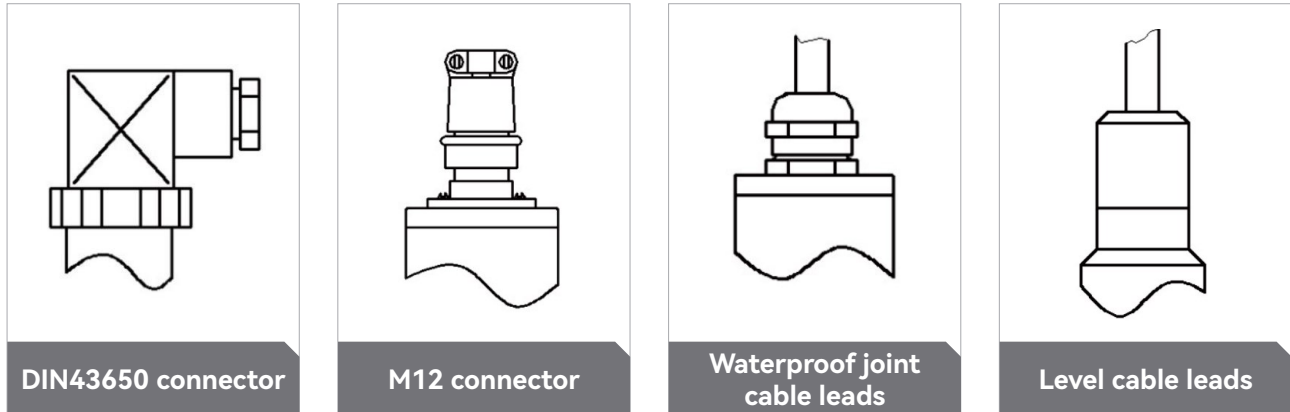
INTRODUCTION

The GPE200 series sanitary pressure transmitter uses our company's high-reliability flush-type silicon piezoresistive pressure sensor as its core component. After undergoing temperature compensation, digital circuit correction, and signal conditioning, it outputs standard industrial signals. The product is the result of meticulous design, careful component selection, process validation and curing, cyclic loading, aging, and environmental simulation testing, all of which ensure the stability and reliability of each unit.

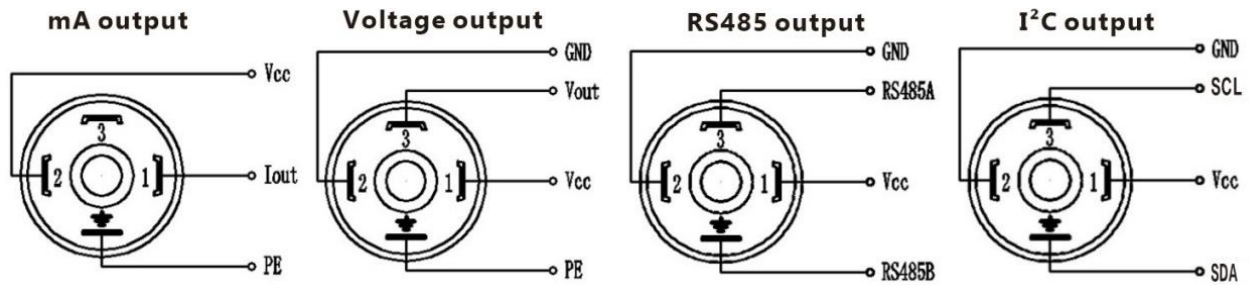
SPECIFICATIONS

Pressure type	Gauge pressure, Absolute pressure, Sealed pressure
Pressure range	-0.1MPa~0kPa~10kPa...7MPa
Power supply	10VDC ~ 30VDC (Standard 24VDC)
Output signal	4mA ~ 20mA, RS485, I ² C, 0V~10V (Others on request)
Overload pressure	≤ 200%
Response time	≤ 3ms(10%~90%)
Media temperature	-20°C ~150°C
Accuracy	0.1%FS, 0.25%FS, 0.5%FS
Measuring medium	Fluid compatible with 316L
Protection	IP65

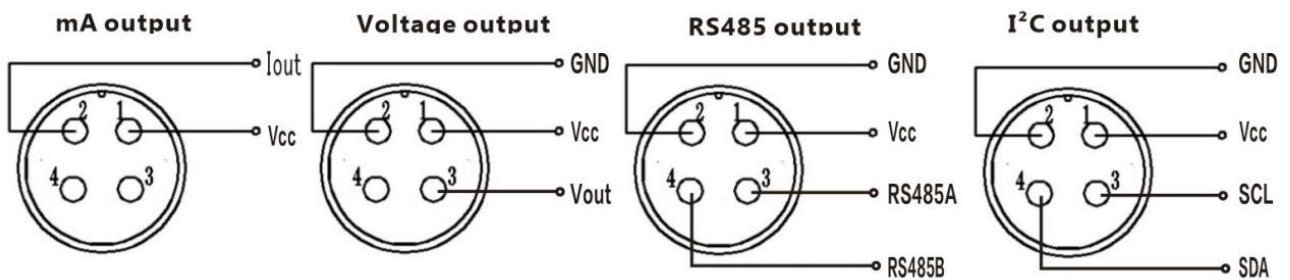
ELECTRICAL CONNECTION



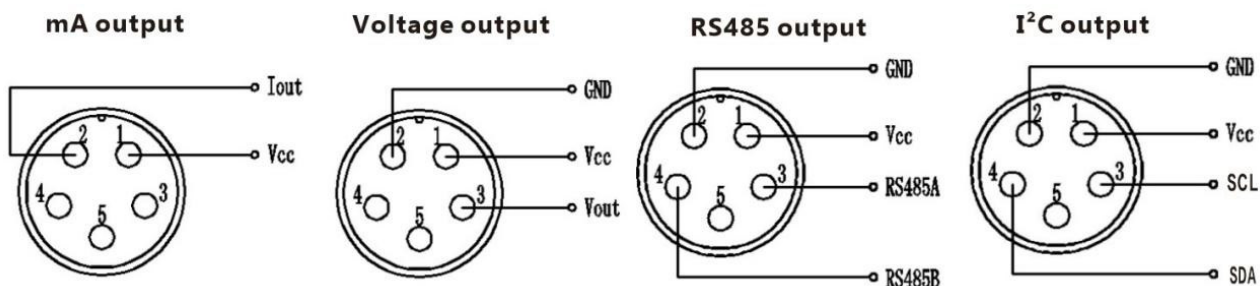
DIN43650 CONNECTOR WIRING



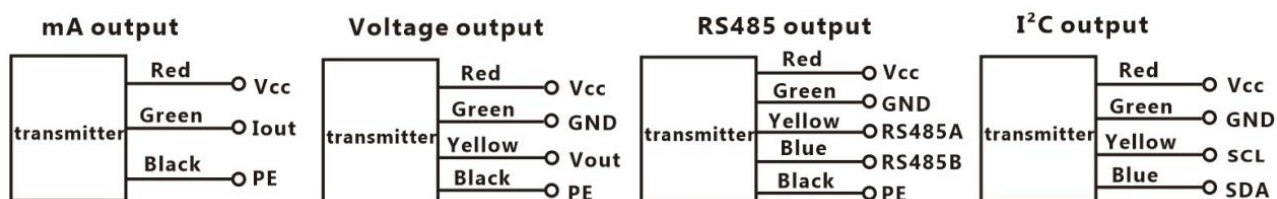
M12 CONNECTOR 4 PIN WIRING



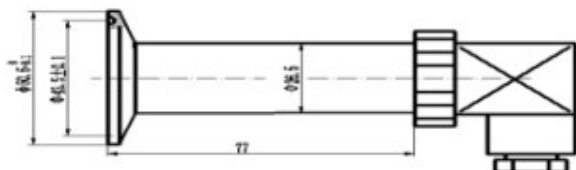
M12 CONNECTOR 5 PIN WIRING



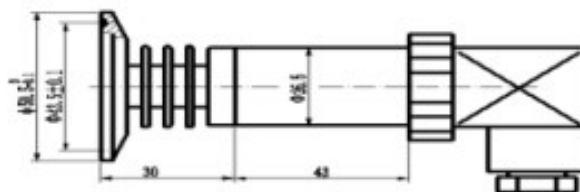
CABLE LEADS WIRING



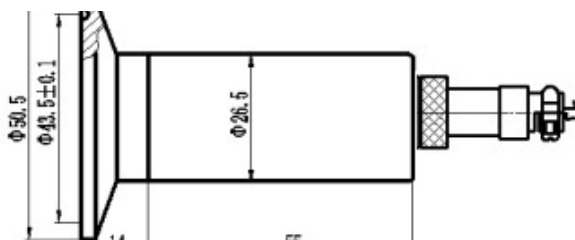
STRUCTURES



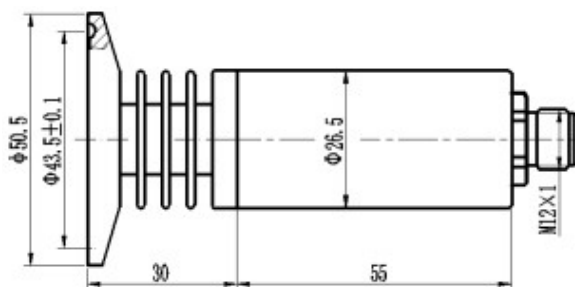
GPE210 DIN43650 connector



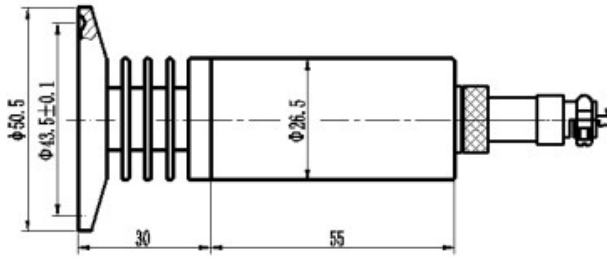
GPE210H DIN43650 connector



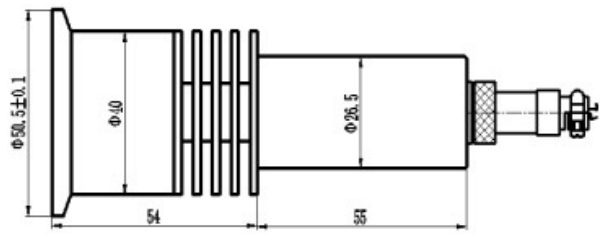
GPE220 M12 connector



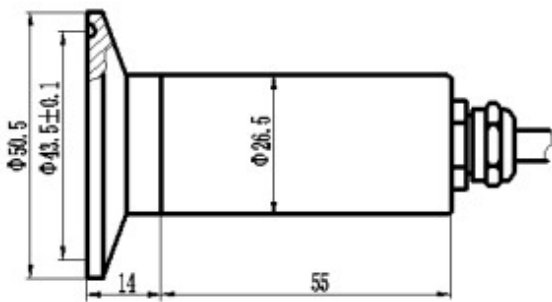
GPE220H M12 connector



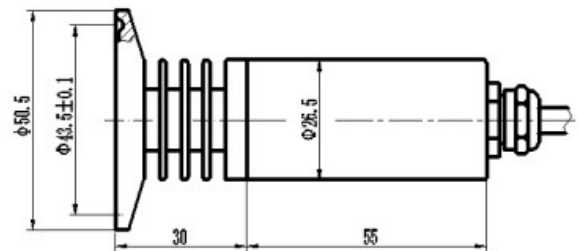
GPE221H M12 connector



GPE222H M12 connector (Ceramic capacitor)



GPE230 waterproof joint cable lead



GPE230H waterproof joint cable lead

MECHANICAL CONNECTION

SIZE D	LENGTH L	SIZE D	LENGTH L	SIZE D	LENGTH L	SIZE D	LENGTH L
M22x1.5	15	M16x1.5	15	M8X1	12	3/8 PT	15
G1/2	15	M14X1.5	15	G1/8	12	1/4 NPT	15
M20X1.5	15	G1/4	15	1/2NPT	18	1/4 PT	15
M18X1.5	15	M12X1	15	1/2PT	18	1/8 NPT	12
G3/8	15	M10X1	12	3/8 NPT	15	1/8 PT	12

ORDER FORMAT

GPE210 - H - M11B - A - G1/2 - MA - D1

Model	
GPE210	GPE210H
GPE220	GPE220H
GPE221H	GPE222H
GPE230	GPE230H

Accuracy	Code
0.1%FS	C
0.25%FS	H
0.5%FS	M

Pressure Range	Code
0~Xbar	XBar
0~XKPa	XKPa
0~XMPa	XMPa
0~XPSI	XPSI
-x~Xbar	MxXB
-x~XKPa	MxXK

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

Code	Customization
Null	Standard version
D1	4-digit LCD display*
D2	4-digit LED display*
*Only available for 4~20mA output signal	

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

Code	Thread size
G1/2	G1/2
G1/4	G1/4
1/2NPT	1/2NPT
1/4NPT	1/4NPT
M20	M20X1.5