

## GP-2210 Flush Diaphragm Pressure Sensor

### Features

- ✓ Range: -100kPa~0kPa ~ 100kPa~60MPa
- ✓ Temperature compensation 0 ~ 70°C
- ✓ 316L housing
- ✓ Diaphragm overload protection
- ✓ Pure flat diaphragm



### Introduction

GP-2210 flush diaphragm pressure sensors built-in high-quality MEMS die. Each sensor through the temperature compensation and output correction, to ensure its excellent performance. The sensor adopts a pure flat membrane rear threaded structure, easy to install, easy to clean, suitable for applications in food, health, and other viscous media pressure measurement occasions.

### Parameters

Item	Parameter
Housing	316L Stainless Steel
Pin	Golden Covar Pin / Silicon Wires
O-ring	FKM
Power Supply	≤2.0mA DC
Input Resistance	2.5kΩ ~ 5kΩ
Output Resistance	2.5kΩ ~ 5kΩ
Response Time	(10% ~ 90%): <1ms
Isolation	100MΩ, 100V DC
Over Pressure	3x (Range ≤100kPa) 2x (Range ≥200kPa)
Burst Pressure	5x (Range <10MPa) 3x (Range ≥10MPa)
Medium	Gas or Liquid
Vibration	10gRMS, (20 ~ 2000)Hz
Shock	100g, 11ms
Position Effect	Any angle ≤90°, Zero Drift ≤±0.01%FS
Standard Condition	Media temperature: 25±1°C Environment temperature: 25±1°C Humidity: 50%±10%RH Environment pressure: 86 ~ 106kPa Power supply: 1.5±0.0015mA DC



## Order Guide

GP-2210		Flush Pressure Sensor				
	<b>Code1</b>	Pressure Range: -100kPa··0kPa~100kPa··60MPa				
	0D	-100kPa~0	Y	10	0~1MPa	G, A
	0B	0~20kPa	G	12	0~2MPa	G, A
	0A	0~35kPa	G	13	0~3.5MPa	S
	02	0~70kPa	G	14	0~7MPa	S
	03	0~100kPa	G/A	15	0~10MPa	S
	07	0~200kPa	G/A	17	0~20MPa	S
	08	0~350kPa	G/A	18	0~35MPa	S
	09	0~700kPa	G, A			
		<b>Code2</b>	Type			
		G	Gauge			
		A	Absolute			
		S	Sealed Gauge			
			<b>Code3</b>	Electrical Connector		
			1	Golden Covar Pin		
			2	100mm Silicon Wires		
<b>GP2210</b>	08	G	1			

*Completed Sample: **GP-2210-08-G-1***

### Tips:

1: The sensor diaphragm is extremely fragile. Any direct contact with hard objects may cause diaphragm deformation and damage to the sensor.

2: When soldering on the gold-plated Kovar leads, please use a soldering iron of 25W or less, solder at low temperature, and complete the soldering within 3 seconds to avoid heat transfer to the sensor.