

## 3351 Capacitive Pressure Sensor

### Overview

Capacitive pressure sensor or differential pressure sensor; it is all welded construction with stainless steel material. This kind of pressure sensor is to sense the pressure or differential pressure via the oil filling in the sensor .It can sensor minimum 0-0.16~1.6Kpa differential pressure or 0-16~40Mpa gauge pressure with high accuracy.

The sealed chamber integrated temperature diode, this diode supplied real time temperature parameters for the capacitance pressure transducer, and it provides temperature compensation for the capacitance pressure transmitters.



### Specifications

Accuracy:  $\pm 0.1$

Annual Stability: 0.2% of max range

Temperature Range: (-40~104) °C

Temperature Affect:  $\pm 0.25\%/55^{\circ}\text{C}$  of zero error

Range Error:  $\pm 0.5\%/55^{\circ}\text{C}$  of full range

Diaphragm Material: Stainless steel 316L, Hastelloy-C, Monel, Tantalum, Titanium

### Model Selection

Model	Description
DR	Low differential pressure
DP	Differential Pressure
GP	Gauge Pressure

HP	High Static Pressure						
AP	Absolute Pressure						
Model	Pressure Range	Static Pressure (MPa)	DR	AP	GP	DP	HP
2E	0-0.16~1.6KPa	2.5	*				
3E	0-1.6~6KPa	4			*	*	*
4E	0-6~40KPa	10		*	*	*	*
5E	0-40~200KPa			*	*	*	*
6E	0-0.18~1MPa			*	*	*	*
7E	0-0.6~2.5MPa			*	*	*	
8E	0-2~8MPa			*	*	*	
9E	0-6~20MPa			*	*		
0E	0-16~40MPa				*		
HP4E	0-6~40KPa	25/32					
HP5E	0-40~200KPa						
HP6E	0-0.18~1MPa						
Mode	Diaphragm Material						
2	Stainless steel 316L						
3	Hastelloy-C						
4	Monel						
5	Tantalum						
6	Titanium						

**Wiring & Dimensions**



- Red Wire: H Terminal
- White Wire: L Terminal
- Black: Housing
- Blue: Temperature -
- Green: Temperature +

