

**APB2S Sanitary Pressure Transmitter with Flush Face Diaphragm**

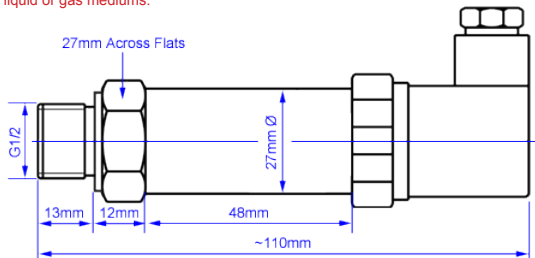
The APB2S range of sanitary pressure transmitters have a flush diaphragm which is suitable for the measurement of viscous fluids or media containing particulates that may clog the pressure connection of standard transmitters.

The transmitters have piezoresistive technology which incorporates a silicon sensor. The diaphragm and wetted parts are 316L stainless steel.

The stability of the silicon element allows the transmitter to be operated at a higher temperature range; at the same time this makes the zero and sensitivity thermal shifts over the whole operating temperature range of the transmitter very small.

- 0...100 bar measuring ranges
- 4~20mA current loop output
- Flush membrane structure without input pressure hole & cavity
- Welded isolated diaphragm
- High accuracy, high strength, sanitary type
- Dimensions can be customized.
- Gauge, absolute and sealed gauge pressure types

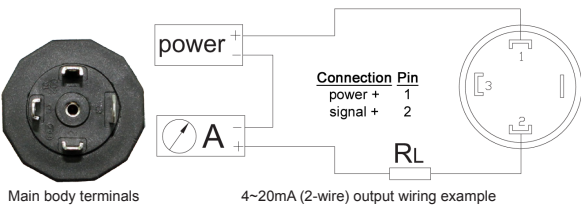
**Note: the diaphragm is fragile and, ideally, should only be used with liquid or gas mediums.**



Flush Face Diaphragm

Technical Details	
Pressure Medium	Gas or liquid compatible with stainless steel
Pressure Range	0...100 bar
Overload Pressure	150%FS
Output Signal	4~20mA Current Loop
Accuracy	0.25%FS, 0.5%FS (standard)
Load Resistance	RL=(U-12V)/0.02A(4~20mA current output) U-loop voltage (V)
Long-Term Stability	< 0.2%FS/year
Supply Voltage	12~36VDC
Compensated Temperature Range	0~60°C (0...0.35 bar)
Operating Temperature Range	-30°C to +85°C
Measured Media Temperature Range	-40°C to +125°C
Temperature Coefficient Of Zero	0.3%FS/10°C
Temperature Coefficient Of Span	0.3%FS/10°C
Insulation Resistance	100MΩ@50VDC
Process Connection	G 1/2
Electrical Connection	Hirschmann style connector (others available)
Material of Wetted Part	316 Stainless Steel
Material of Pressure Membrane	316L Stainless Steel
Material of Housing	Stainless Steel

4~20mA current loop output	
range (bar)	order code
0 to 1.0	APB2S-0010
0 to 1.6	APB2S-0016
0 to 2.5	APB2S-0025
0 to 4.0	APB2S-0040
0 to 6.0	APB2S-0060
0 to 10.0	APB2S-0100
0 to 16.0	APB2S-0160
0 to 25.0	APB2S-0250
0 to 40.0	APB2S-0400
0 to 60.0	APB2S-0600
0 to 100.0	APB2S-1000



Main body terminals

4~20mA (2-wire) output wiring example



Also available with a 2" clamp (APB2CL)