

# FLASH DIAPHRAGM TYPE VACUUM / PRESSURE SENSOR

# FPS

## FEATURES

- Accuracy:  $\pm 0.5\%$  F.S.
- Measuring range: -1, 1, 4, 6, 10, 25, 40, 60, 100, 250 bar...
- Measuring absolute or gauge pressure
- Standard and custom options available for OEM design
- Robust package, all laser-welded stainless steel design
- Proof pressure range: 3 x Full Scale
- Compact size and excellent price
- Power supply: DC 8~30V; Output: 4~20 mAdc



## ORDER INFORMATION: FPS - [Code 1] - [Code 2] - [Code 3]

Code 1	Input Range
N01	-1~0 bar
001	0~1 bar
004	0~4 bar
006	0~6 bar
010	0~10 bar
016	0~16 bar
025	0~25 bar
060	0~60 bar
100	0~100 bar
250	0~250 bar
O	Option

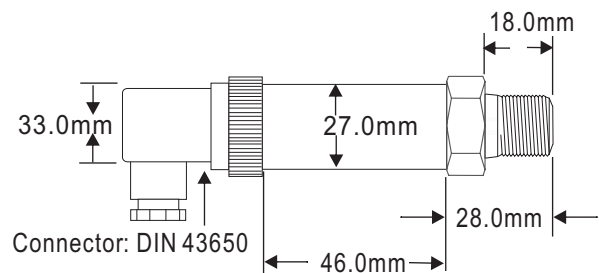
Code 2	Connection
S	1/2" PT
O	Option

Code 3	Analog Output
A	4~20 mA
O	Option

## SPECIFICATION

- ◆ Accuracy:  $\pm 0.5\%$  F.S.
- ◆ Thermal Error:  $< 0.5\%$  F.S.
- ◆ Total Error:  $< 0.5\%$  F.S.
- ◆ Stability:  $< 0.25\%$  F.S. / Year
- ◆ Zero Pressure Offset: 4 mAdc
- ◆ Full Scale Output: 20 mAdc
- ◆ Proof Pressure: 3 x F.S.
- ◆ Burst Pressure: Absolute Pressure: 10 x F.S. or 15000 psi  
Gauge Pressure: 5 x F.S.
- ◆ Pressure Cycles: 8Hz
- ◆ Response Time:  $< 1$  msec
- ◆ Vibration: 10~2050Hz, 20 sinusoidal, 3 axes
- ◆ Thermal Shock: -40~105°C, 0.5hr soaks at Temp.
- ◆ Temperature Coefficient: 100ppm / °C (0~60°C)
- ◆ Operating Temperature: -40~105°C
- ◆ Operating Humidity:  $< 95\%$  RH (non-condensing)
- ◆ Storage Temperature: -40~105°C
- ◆ Storage Humidity:  $< 95\%$  RH (non-condensing)
- ◆ Power Supply: DC 8~30V (2 wire loop)
- ◆ EMC Compatibility: 80 MHz ~ 1 GHz
- ◆ Wetted materials: 304L & 316L stainless steel
- ◆ Pressure Connection: 1/2" PT
- ◆ Electrical Connection: DIN 43650

## DIMENSION



## WIRING CONNECTION

