

HIGH TEMPERATURE TYPE / PRESSURE SENSOR

HPS

FEATURES

- Accuracy : $\pm 0.5\% \text{ F.S.}$; $\pm 1\% \text{ F.S.}$ (-1 ~ 0 bar , 0 ~ 1 bar)
- 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
- Working Temperature: -60~200°C



ORDER INFORMATION : HPS - [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

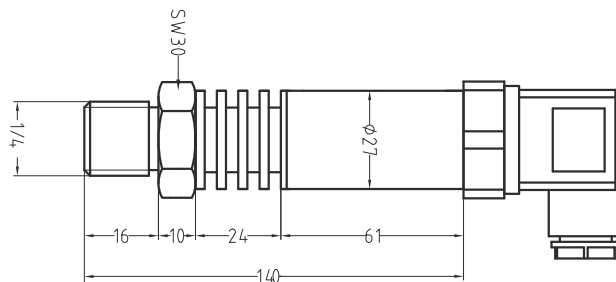
Code 2	Connection
S	1/2" PT
O	Option

Code 3	Analog Output
A	4~20 mA
O	Option

SPECIFICATION

- ◆ Accuracy: $\pm 0.5\% \text{ F.S.}$
- ◆ Thermal Error: $< 0.5\% \text{ F.S.}$
- ◆ Total Error: $< 0.5\% \text{ F.S.}$
- ◆ Stability: $< 0.25\% \text{ F.S. / Year}$
- ◆ 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: $< 1 \text{ msec}$
- ◆ 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: -60~200°C
- ◆ Operating Humidity: $< 95\% \text{ RH}$ (non-condensing)
- ◆ Storage Temperature: -70~210°C
- ◆ Storage Humidity: $< 95\% \text{ RH}$ (non-condensing)
- ◆ Compensation Temperature: -20~80°C
- ◆ 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

