

WIRE TYPE VACUUM / PRESSURE SENSOR

DC53

FEATURES

- Accuracy: $\pm 0.5\%$ F.S.
- Measuring range: 10, 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 : DC53- [Code 1] - [Code 2] - [Code 3] - [Code 4]

| Code 1 | Input Range |
|--------|-------------|
| N01 | -1~0 bar |
| 001 | 0~1 bar |
| 006 | 0~6 bar |
| 010 | 0~10 bar |
| 016 | 0~16 bar |
| 025 | 0~25 bar |
| 100 | 0~100 bar |
| 250 | 0~250 bar |

| Code 2 | Connection |
|--------|------------|
| S | 1/4" PT |
| O | Option |

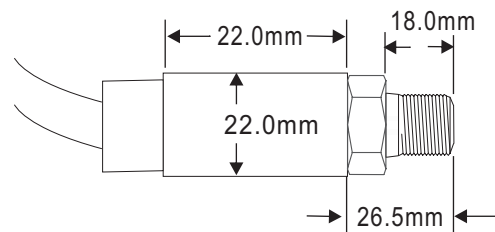
| Code 3 | Analog Output |
|--------|---------------|
| A | 4~20 mA |
| O | Option |

| Code 4 | Wire Length |
|--------|-------------|
| 10 | 10M |
| 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 18~30V (2 wire loop)
- ◆ EMC Compatibility: 80 MHz ~ 1 GHz
- ◆ Wetted materials: 304L & 316L stainless steel
- ◆ Pressure Connection: 1/4" PT
- ◆ Electrical Connection: Mini DIN 43650

DIMENSION



WIRING CONNECTION

