

High accuracy pressure transmitter



Features

- Connector output
- Oil filled MEMS base
- Wide supply voltage compatible
- Digital thermal compensated
- Small size
- Room error band<0.25%(typical)
- Total error band<0.50%(typical)
- EMC protection

Application

- Process Automation & Control
- Energy and Water Management
- Engine & vehicle
- Hydraulic/Pneumatic Control Systems

Performance

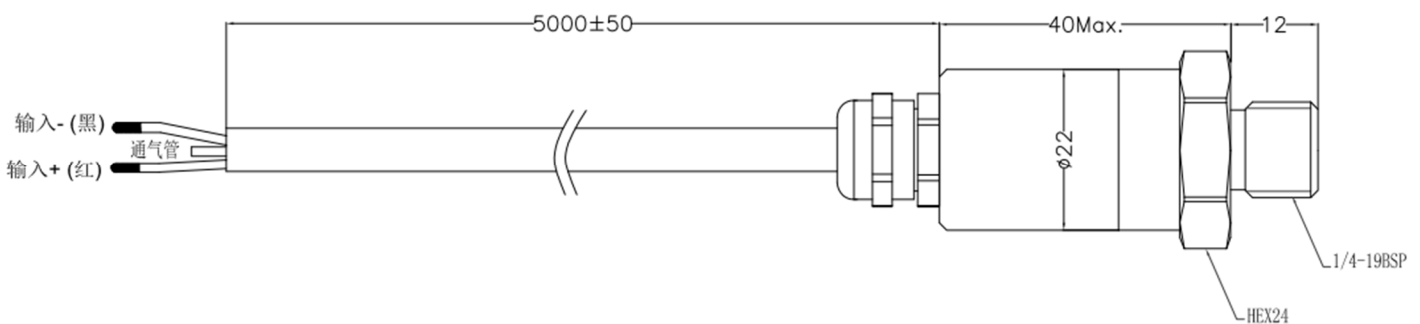
Pressure range(FS)1~4 bar
 Accuracy(nonlinearity+hysteresis+repeatability)..... ±0.1% FS
 Zero offset(@25°C) ±0.5% FSO
 Zero stability(typical) ±0.2% FS/year
 Span stability(typical) ±0.1% FS/year
 Response frequency >1KHz
 Insulation resistance(@250V) >50MΩ

Environmental

Operate temperature -20 to 120°C
 Compensated temperature -10 to 70°C
 Overload..... >2 * FS
 Wetted parts 1/4 NPT/BSP
 Vibration limit 20 g@10~2000Hz
 Shock limit 100 g, 11ms pulse
 Media #316L or #304 SS compatible
 Housing #304 SS
 Pressure cycles 10 million FS cycles
 Sealing(cable) IP67
 Sealing(connector) IP65
 Electrical connection..... Packard connector

Total error band including: Zero, Span, Non-linearity, Temperature error within compensated temperature range.

Output type	B (Ratiometric)	C (4~20mA)	G (0~5VDC)
Supply Voltage	4.75 ~ 5.25 VDC	8 ~ 30 VDC	8 ~ 30 VDC
Output	0.5 ~ 4.5 VDC	4 ~ 20 mA	0 ~ 5 VDC
Supply Current	< 3 mA	< 30 mA	< 3 mA
Zero Output	0.5 VDC	4 mA	0 VDC
Full Scale Output	4.5 VDC	20 mA	5 VDC



Ordering Information

P3502B-10BA-N

