

High pressure range oil filled sensing element



Features

- Excellent stability & accuracy
- Range:100 to 700bar
- Wide temperature range
- Temperature compensated
- Standard mounting size
- Compatible with corrosive media

Application

- Process Automation & Control
- Fresh and waste water
- Pressure transmitters
- Medical instruments

Performance

Pressure range(FS)	100~700 bar
Nonlinearity(BFSL typical)	±0.1% FS
Nonlinearity(700bar only)	±0.2% FS
Stability(typical)	±0.1% FS/year
Repeatability	±0.05% FS
Pressure hysteresis	±0.05% FS
Load resistance	>5MΩ
Insulation resistance	>100MΩ

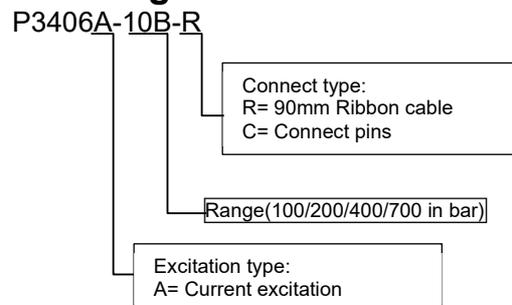
Electrical

Excitation	0.5~2mA
FSO(@1.5mA, 25°C)	>180mV
Input impedance	4500±1500Ω
Output impedance	5000±1500Ω
Zero offset(@25°C)	±1% FSO

Environmental

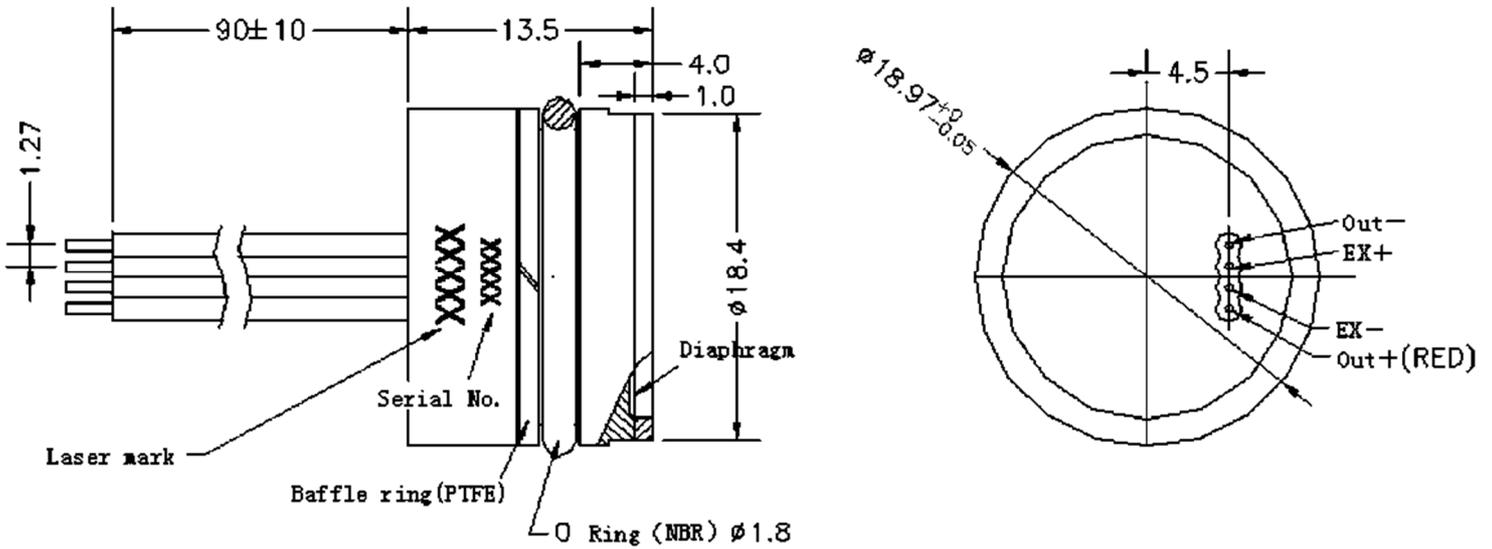
Operate temperature	-40 to 125°C
Compensated temperature	-10 to 70°C
Temperature zero shift	±0.75% FSO
Temperature sensitivity shift	±1% FS
Thermal hysteresis	±0.1% FS
Overload	>2 * FS
Overload(700 bar only)	>1.4 * FS
Media	#316L SS compatible
Housing	#316L SS
Pressure port	O-ring Seal
Electrical connection	Ribbon Cable or Connect Pins

Ordering Information

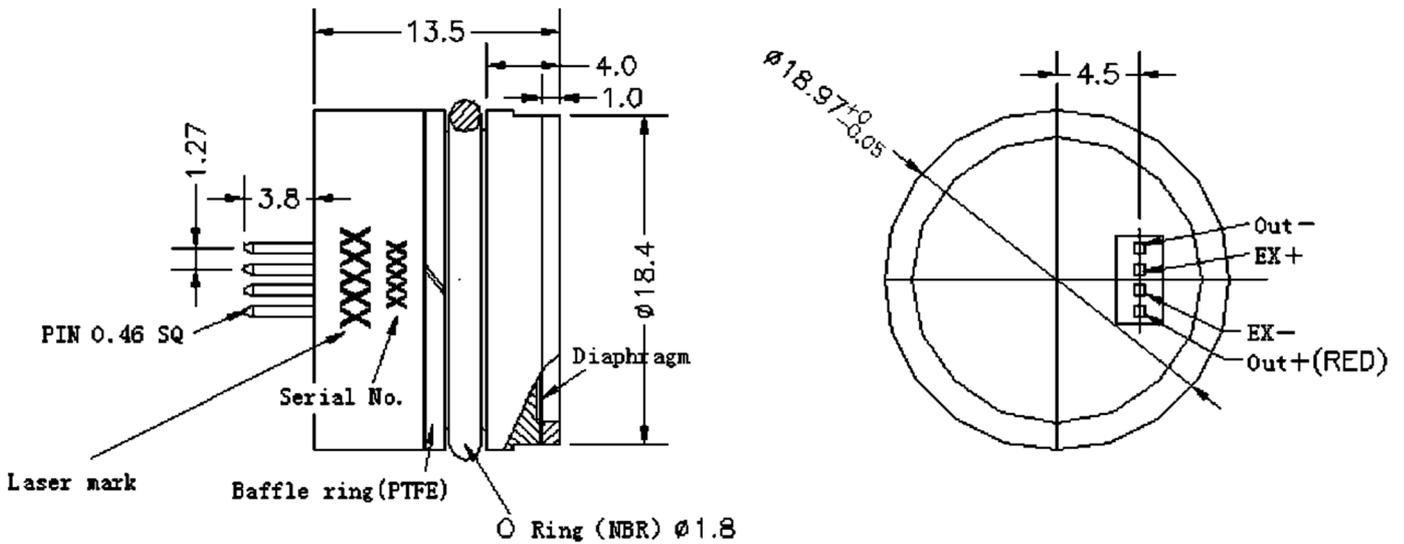


Dimensions(mm):

Ribbon Cable:



Connect Pins:



Remark: Ribbon Cable or Connect Pins are optional for all models.
Maximum temperature range for standard cable is -20°C to $+105^{\circ}\text{C}$.