

High Frequency Dynamic Pressure Sensor

Performance

Pressure range(FS)	2~50 bar
Non-linearity(BFSL)	±0.15%
Stability(typical)	±0.1% FS/year
Total accuracy	±0.4% FS TEB
Load resistance	>100KΩ

Environmental

Operate temperature	-25 to 85°C
Storage temperature	-40 to 125°C
Zero shift	±0.1% SFO/°C
Scale shift	±0.15%/°C
Burst pressure	5 * FS
Proof pressure	2 * FS
Wetted parts	17-4PH SS
Output	Integrated cable
Vibration limit	100 g@10~2000Hz
Shock limit	500 g, 11 ms pulse
Pressure cycles	100 million FS cycles
Sealing	IP66 (IEC60529)

Electrical

Input resistance (Ω)	5000-7000
Output resistance (Ω)	5000-7000
Zero offset	±20mV
Output range	200mV SFO
Excitation voltage	10Vdc
Resonant frequency(2 bars)	>200KHz
Resonant frequency(10/50 bars)	>500KHz

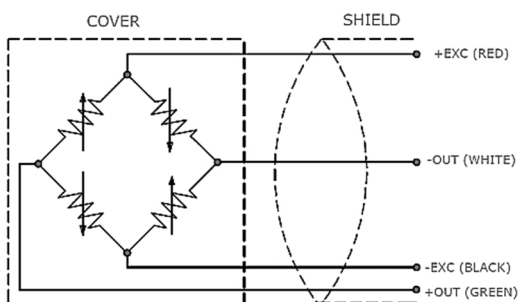
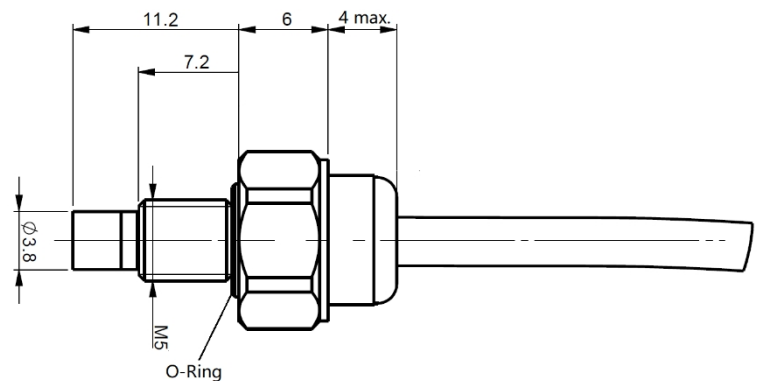
Features

- Absolute pressures
- Light weight
- Stand high shock
- High frequency response
- Integrated cable
- Reliable performance
- Stable output

TEB=Total Error Band

Application

- Explode pressure
- Aircraft flight test
- Hydraulic dynamic
- Airbag testing
- Process control



Ordering Information

P2801-10BA-3

Cable length in meter
Range(2 / 10 / 50 in bar)