



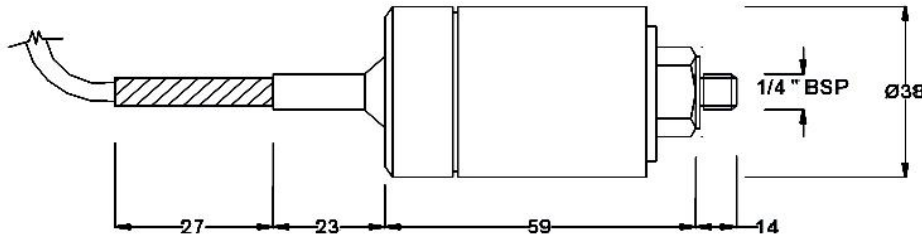
R.R.SENSORS & SYSTEMS.

OFFERS INNOVATION IN PRESSURE MEASUREMENT

RRS Pressure Transducer is a high performance pressure sensor designed specially for critical applications to meet stringent pressure and other environmental conditions. The design offers high accuracy, full temperature compensation and high over load protection. The sensing element consists of metallic foil strain gauges bonded directly to a stainless steel diaphragm. the state of the art capabilities in transducer provide a convenient and reliable means of measuring pressure of gases and liquids. the transducers are rugged, reliable and require virtually no maintenance.

SPECIAL FEATURES

1. **High Accuracy.**
2. **Full temperature compensation.**
3. **No moving parts & high reliability**
4. **Easy to install**
5. **Low cost**
6. **Robust design.**

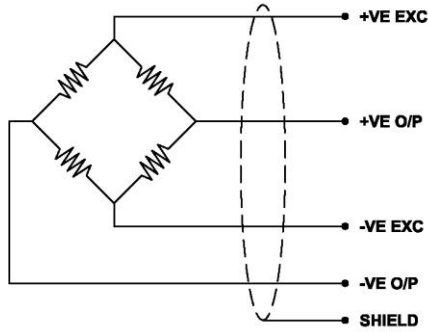


SPECIFICATIONS

- | | |
|-----------------------------------|------------------------------------------------------------------------------------------------------|
| 1. Model No | : PGX-10,20,30,50,100,200,300,500,600. |
| 2. Pressure ranges | : 10,20,30,50,100,200,300,500,600 Kg/Cm ² |
| 3. Measurement Fluids | : Any fluid compatible with stainless steel. |
| 4. Supply Voltage | : 10V A.C or D.C (15V maximum). |
| 5. Full scale output signal | : 1.0 ± 0.04 mV/V for 10 Kg/Cm ² &
2.0 ± 0.05 mV/V for 20 Kg/Cm ² and above |
| 6. Bridge resistance | : 350 ohms Nominal. |
| 7. Static Error band | : Better than ± 0.5% R.O |
| 8. Combined Zero and span | : Less than ± 5.0% R.O/100°C |
| Temperature effect on accuracy | |
| 9. Compensated temperature limits | : 0 - 55°C |
| 10. Long term stability | : Better than ± 0.5% R.O over 6 months |
| 11. Electrical connection | : Flying leads 4 core Shielded cable |
| 12. Enclosure | : High quality stainless steel. |
| | All electrical components are sealed against adverse environmental conditions |

Abbreviation : R.O. = Rated output

ELECTRICAL INFORMATION



CONNECTION DETAILS

INPUT	OUTPUT
RED + VE	WHITE / YELLOW + VE
BLACK - VE	GREEN / BLUE - VE

Important Points

1. RRS Pressure Transducers will provide excellent service and superior Performance if proper care is taken during handling, installation, and use.
2. The most common causes of transducer damage are over loading, improper installation in improperly machined and plugged mounting holes.
3. The tip of the transducer must be protected from sever abrasives, dents & scores
4. The transducer should be removed only when there is no pressure in the system.

Ordering Information :

1. Select pressure Range
2. Select Model : (In model no, the right hand side integer specifies pressure range in Kg/Cm²)

Pressure Range	Model	Quantity
XXX	YYY	ZZZ

Please Communicate to :



R.R.SENSORS & SYSTEMS.

Factory : # 17, BHADRAPPA ESTATE, MAGADI MAIN ROAD, KAMAKSHIPALYA, BANGALORE - 560079.

☎ : 080 - 23281697, E - mail : rrsensors@yahoo.com, sales@rrsensorsandsystems.com .