

PG-H

High Pressure Transducer

- Highly Reliable Inert Gas Sealed Structure
- 100 & 200 MPa



Compact, lightweight, highly accurate, and highly reliable

Available with rated capacities of 100 and 200 MPa, the PG-H series pressure transducers are hermetically sealed with inert gas filled in, enabling long-term stable measurement.

Specifications

Performance

Rated Capacity	PG-1TH: 100 MPa PG-2TH: 200 MPa
Nonlinearity	Within $\pm 0.2\%$ RO
Hysteresis	Within $\pm 0.2\%$ RO
Rated Output	1.5 mV/V $\pm 0.5\%$

Environmental Characteristics

Safe Temperature	-20 to 80°C
Compensated Temperature	-10 to 70°C
Temperature Effect on Zero	Within $\pm 0.02\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.01\%$ /°C

Electrical Characteristics

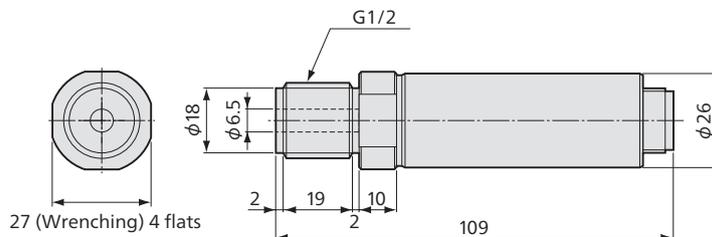
Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	350 $\Omega \pm 1.5\%$
Output Resistance	350 $\Omega \pm 1.5\%$
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 3 m long, terminated with waterproof connector plug to transducer and connector plug PRC03-12A10-7M to amplifier (Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads	150%
Natural Frequencies	Approx. 250 kHz
Material	Case: SUS (Metallic finish) Liquid-contacting part: SUS 630
Weight	Approx. 220 g (Excluding cable)
Degree of Protection	IP52 (IEC 60529)
Mounting Screw	G1/2, male

Standard Accessories Gasket (Mild copper)

Dimensions



● Physical quantity indication

● Static measurement

● Dynamic measurement

