

- Highly reliable inert gas sealed structure
- 100 & 200 MPa



*CE compliant models are available. Inquiries are welcome.

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.



Pressure Transducers

Outline

General

High temp.
Low temp.

Absolute pressure
High pressure

Pressure transmitter

Differential pressure

Distributed pressure

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.2\%$ RO
Hysteresis	Within $\pm 0.2\%$ RO
Repeatability	0.15% RO or less
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 $\Omega \pm 1.5\%$
Accessory Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 3 m long
	Sensor side: Terminated with a waterproof connector plug 1108-12A10-7F
	Measuring instrument side: Terminated with a connector plug PRC03-12A10-7M
	(Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads	150%
Natural Frequencies	Approx. 250 kHz
Material	Case: Stainless steel
	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)

Models	Rated Capacity
PG-1TH	100 MPa
PG-2TH	200 MPa

Dimensions

