PG-H
Pressure Transducer



Large-capacity types

- Rated capacity: 100, 200 MPa
- Airtight structure filled with inert gas
- Detachable cable for easy installation

Pressure transducers for high pressures. Transducers feature an airtight structure filled with inert gas to ensure long-term stable measurement.

Specifications

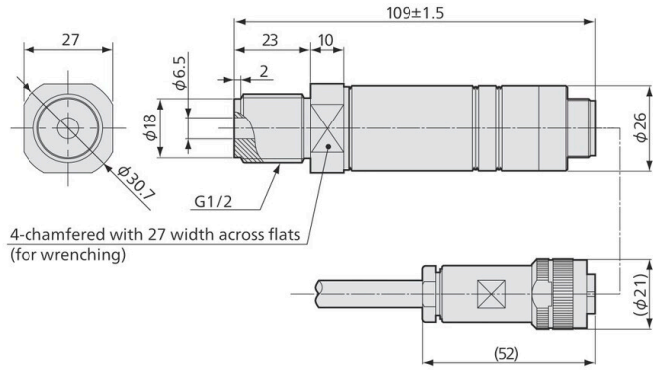
Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±0.2% RO
Hysteresis	Within ±0.2% RO
Repeatability	0.15% RO or less
Rated Output	1.5 mV/V ±0.5%
Environmental Characteristics	
Safe Temperature	−20 to 80℃
Compensated Temperature	−10 to 70℃
Temperature Effect on Zero	Within ±0.02% RO/℃
Temperature Effect on Output	Within ±0.01%/℃
Electrical Characteristics	
Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	350 Ω ±1.5%
Output Resistance	350 Ω ±1.5%
Accessory Cable	4-conductor (0.3 mm²) 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: SUS630
Weight	Approx. 220 g (Excluding cable)
Degree of Protection	IP52 (JIS C 0920/IEC 60529)
Mounting Screw	G1/2 male
Compliance	Directive 2011/65/EU, (EU)2015/863 (10 restricted substances) (RoHS)

Standard Accessories Gasket (Mild copper)

Models

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

Dimensions



Connector plug (standard)
PRC03-12A10-7M

