

PG-H

High Pressure Transducers

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



Specifications

Performance

Rated Capacity :	PG-1TH: 100MPa
	PG-2TH: 200MPa
Nonlinearity :	Within±0.2% RO
Hysteresis :	Within±0.2% RO
Rated Output :	1.5 mV/V (3000µm/m)±0.5%

Environmental Characteristics

Safe Temperature Range :	-20 to 80°C
Compensated Temperature Range :	-10 to 70°C
Temperature Effect on Zero Balance :	Within±0.02% RO/°C
Temperature Effect on Output :	Within±0.01%/°C

Electrical Characteristics

Safe Excitation Voltage :	15V AC or DC
Recommended Excitation Voltage :	1 to 10V AC or DC
Input Resistance :	350Ω±1.5%
Output Resistance :	350Ω±1.5%
Included 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 to amplifier (Shield wire is not connected to mainframe.)

Mechanical Properties

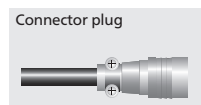
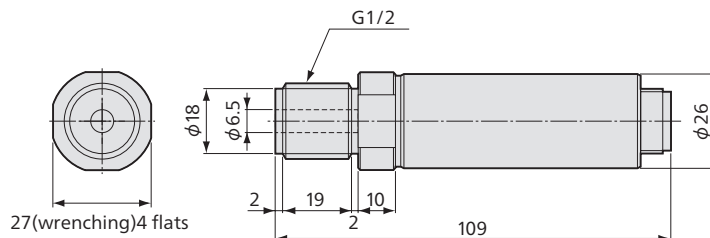
Safe Overload Rating :	150%
Natural Frequency :	Approx. 250 kHz
Material :	Case : SUS (metallic finish) Liquid-contacting part : SUS 630
Weight :	Approx. 220g (not including cable)
Protection Rating :	IP52 (JIS C 0920)
Mounting Screw :	G1/2, male

Standard Accessory Gasket (mild copper)

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.

Dimensions



PRESSURE TRANSDUCERS

Field to recommend



● Physical quantity indication

● Static measurement

● Dynamic measurement

