PGH-S-SA19

Large-capacity Pressure Transducer



Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	250 MPa: Within ±0.2% RO
	300 MPa: Within ±0.4% RO
Hysteresis	250 MPa: Within ±0.2% RO
	300 MPa: Within ±0.4% RO
Rated Output	250 MPa: Approx. 1 mV/V
	300 MPa: Approx. 0.5 mV/V
Environmental Characteristics	
Safe Temperature	-10 to 70℃
Compensated Temperature	0 to 60℃
Temperature Effect on Zero	Within ±0.05% RO/℃
Electrical Characteristics	
Safe Excitation	10 V AC or DC
Recommended Excitation	2 to 5 V AC or DC
Input Resistance	550 Ω ±150 Ω
Output Resistance	250 MPa : 450 Ω ±100 Ω
	300 MPa : 460 Ω ±50 Ω
Insulation Resistance	500 MΩ or more (25 VDC)
Cable	4-conductor (0.3 mm²) chloroprene shielded cable,
	7.6 mm diameter by 5 m long
	Sensor side: 1108-12A10-7F
	Measuring instrument side: PRC03-12A10-7M
Mechanical Properties	
Safe Overloads	120%
Material	Case: Stainless steel
	Liquid-contacting part: SUS630
Exterior	Metallic finish
Weight	Approx. 210 g (Excluding cable)
Mounting Screw	G1/2, male

*Specifications and design are subject to change without notice.
*Please contact us for information on product warranties.

Large-capacity types

- **Rated capacity: 250, 300 MPa**
- **Detachable cable for easy installation**

Transducers for large capacities. Safe design with integrated body and no welding for liquid-contacting part (SUS material).

To Ensure Proper Usage

Although a functional seal can be achieved using only the supplied gasket, we recommend combining this with a seal adhesive such as sealing tape.

Standard Accessories Gasket (Mild copper)

Models

Model	Rated Capacity
PGH-S-250MPSA19	250 MPa
PGH-S-300MPSA19	300 MPa

Dimensions

