

# PGH-S-SA19

- Large capacity
- 250 & 300 MPa

## Large-capacity Pressure Transducer



### Large-capacity pressure transducer

- For large capacity
- Safe design with just one SUS body without welded part.
- Removable cable
- Mounting screw (G1/2)

#### Specifications

##### Performance

<b>Rated Capacity</b>	See table below
<b>Nonlinearity</b>	250 MPa: $\pm 0.2\%$ RO 300 MPa: $\pm 0.4\%$ RO
<b>Hysteresis</b>	250 MPa: $\pm 0.2\%$ RO 300 MPa: $\pm 0.4\%$ RO
<b>Rated Output</b>	250 MPa: Approx. 1 mV/V 300 MPa: Approx. 0.5 mV/V

##### Environmental Characteristics

<b>Safe Temperature</b>	-10 to 70°C
<b>Compensated Temperature</b>	0 to 60°C
<b>Temperature Effect on Zero</b>	$\pm 0.05\%$ RO/°C
<b>Temperature Effect on Output</b>	$\pm 0.05\%$ /°C

##### Electrical Characteristics

<b>Safe Excitation</b>	10 V AC or DC
<b>Recommended Excitation</b>	2 to 5 V AC or DC
<b>Input Resistance</b>	550 $\pm$ 150 $\Omega$
<b>Output Resistance</b>	250 MPa: 450 $\pm$ 100 $\Omega$ 300 MPa: 460 $\pm$ 50 $\Omega$
<b>Insulation Resistance</b>	500 M $\Omega$ or more (25 VDC)
<b>Cable</b>	4-conductor (0.3 mm <sup>2</sup> ) chloroprene shielded cable, 7.6 mm diameter by 5 m long Sensor side: 1108-12A10-7F Measuring instrument side: PRC03-12A10-7M

##### Mechanical Properties

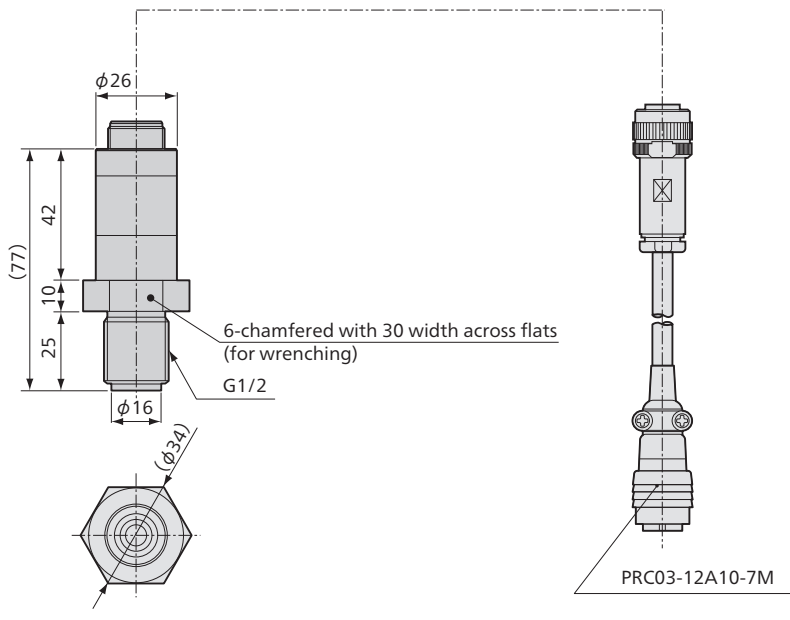
<b>Safe Overloads</b>	120%
<b>Material</b>	Main unit: Stainless steel Liquid-contacting part: SUS 630
<b>Exterior</b>	Metallic finish
<b>Weight</b>	Approx. 210 g (Excluding cable)
<b>Mounting Screw</b>	G1/2, male

**Standard Accessories** Gasket (Mild copper)

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

(Note) While a functional seal can be achieved using only the supplied gasket, we recommend combining the gasket with a seal adhesive such as sealing tape.

#### Dimensions



Connector plug  
PRC03-12A10-7M



Pressure Transducers

Outline

General

High temp.  
Low temp.

Absolute pressure  
High pressure

Pressure transmitter

Differential pressure

Distributed pressure