

# PGH-S-100MPSA17

## Large-capacity Pressure Transducer

- Small-sized large capacity
- Usable at high-temperature
- 100 MPa



### Specifications

#### Performance

|                |                       |
|----------------|-----------------------|
| Rated Capacity | 100 MPa               |
| Nonlinearity   | Within $\pm 0.3\%$ RO |
| Hysteresis     | Within $\pm 0.2\%$ RO |
| Rated Output   | Approx. 1 mV/V        |

#### Environmental Characteristics

|                              |                    |
|------------------------------|--------------------|
| Safe Temperature             | -40 to 150°C       |
| Compensated Temperature      | -20 to 150°C       |
| Temperature Effect on Zero   | $\pm 0.03\%$ RO/°C |
| Temperature Effect on Output | $\pm 0.05\%$ /°C   |

#### Electrical Characteristics

|                        |   |
|------------------------|---|
| Safe Excitation        | 10 V AC or DC   |
| Recommended Excitation | 2 to 5 V AC or DC                                       |
| Input Resistance       | 550 $\pm$ 150 $\Omega$                                  |
| Output Resistance      | 450 $\pm$ 100 $\Omega$                                  |
| Cable                  | Fluoroplastic shielded cable, 3 mm diameter by 4 m long |
|                        | Sensor side: MR01-P4F                                   |
|                        | Measuring instrument side: PRC03-12A10-7M               |
|                        | (Shield wire is not connected to the case.)             |

#### Mechanical Properties

|                      |   |
|----------------------|---|
| Material             | Case: SUS (Metallic finish)<br>Liquid-contacting part: SUS 630  |
| Weight               | Approx. 40 g (Excluding cable)  |
| Mounting Screw       | M12, P=1  |
| Degree of Protection | IP64 (IEC 60529)<br>(When connector is fastened to the transducer.<br>The connector to measuring instrument is not waterproofness.) |

Standard Accessories Gasket (Mild copper)

## Small-sized large-capacity transducer Usable at high temperature

- Small  $\phi 20 \times 40$  (Including 15 long screw portion)
- Usable at high temperature (150°C) and large capacity (100 MPa)
- Safe design with just one SUS body without welded part.
- Removable cable
- Degree of protection IP64 (After connecting the connector)
- Mounting screw (M12, P=1)



Pressure Transducers

Outline

General

High temp.  
Low temp.

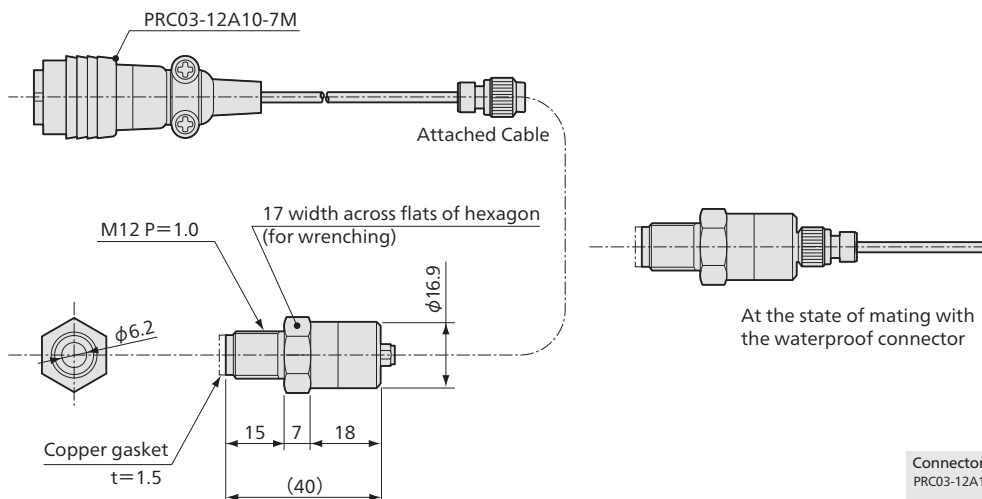
Absolute pressure  
High pressure

Pressure transmitter

Differential pressure

Distributed pressure

### Dimensions



Connector plug  
PRC03-12A10-7M

