Strain Gage
Load Cell
Pressure Sensor
Acceleration Sensor
Torque Sensor
Displacement Sensor
Component Force Sensor
Automotive Sensor
Civil Engineering Sensor

PGH-S-100MPSA17

Large-capacity Pressure Transducer



High-temperature, large-capacity types

- Rated capacity: 100 MPa
- High temp (Compensated: -20 to 150°C)
- Detachable cable for easy installation

Large-capacity pressure transducers capable of temperature compensation up to 150°C. Safe design with integrated body and no welding for liquid-contacting part (SUS material).

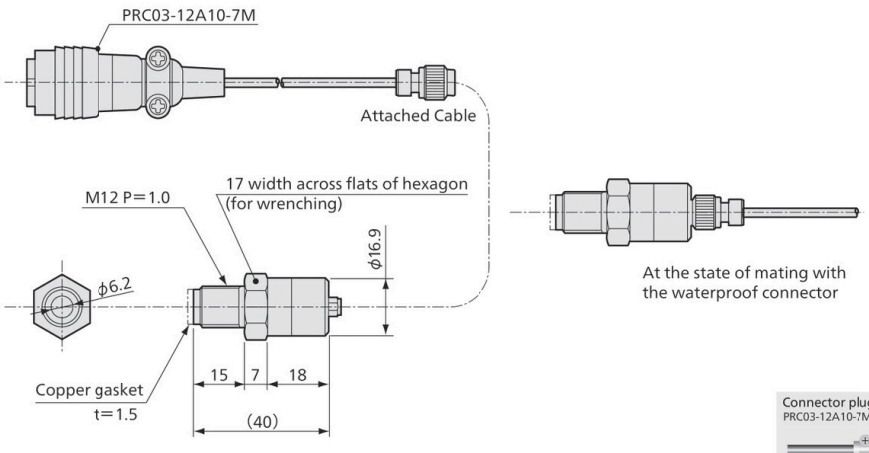
Specifications

Performance	
Rated Capacity	100 MPa
Nonlinearity	Within ±0.3% RO
Hysteresis	Within ±0.2% RO
Rated Output	Approx. 1 mV/V
Environmental Characteristics	
Safe Temperature	−40 to 150℃
Compensated Temperature	−20 to 150℃
Temperature Effect on Zero	Within ±0.03% 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	450 Ω ±100 Ω
Insulation Resistance	500 MΩ or more (25 VDC)
Cable	4-conductor (0.08 mm²) 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	
Safe Overloads	150%
Material	Case: SUS (Metallic finish)
	Liquid-contacting part: SUS 630
Weight	Approx. 40 g (Excluding cable)
Mounting Screw	M12, P=1
Degree of Protection	IP64 (JIS C 0920/IEC 60529)
	*when the sensor side connector is in the mated.
	However, it excludes the measuring unit side connector.

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

■Standard Accessories Gasket (Mild copper)

■Dimensions



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

