PGMC-A

Small-sized Pressure Transducer



Compact and lightweight flush diaphragm types with high response

- **Rated capacity: 200 kPa to 1 MPa**
- **Lightweight (Approx. 20 g except cable)**

Transducers with a flush diaphragm and a high response frequency even at small capacities, suitable for pressure measurement that requires a fast response and for measuring complex piping in limited spaces.

Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±1.5% RO
Hysteresis	Within ±1.5% RO
Rated Output	1.0 mV/V ±20%
	(200KP: 0.6 mV/V or more)
Environmental Characteristics	
Safe Temperature	−10 to 60℃
Compensated Temperature	0 to 50℃
Temperature Effect on Zero	Within ±0.2% RO/℃ (200KP: Within ±0.3% RO/℃)
Temperature Effect on Output	Within ±0.2%/℃ (200KP: Within ±0.3%/℃)
Electrical Characteristics	
Safe Excitation	3 V AC or DC
Recommended Excitation	1 to 2 V AC or DC
Input Resistance	350 Ω ±10%
Output Resistance	350 Ω ±10%
Cable	4-conductor (0.065 mm²) vinyl shielded cable, 4 mm diameter by
	3 m long, terminated with a connector plug PRC03-12A10-7M
	(Shield wire is connected to the case.)
Mechanical Properties	
Safe Overloads	150%
Natural Frequencies	See table below.
Material	Liquid-contacting part: C1720
	Screw: SUS303
Weight	Approx. 20 g (Excluding cable)
Degree of Protection	IP52 (JIS C 0920/IEC 60529)
Mounting Screw	G1/8, male
Compliance	Directive 2011/65/EU, (EU)2015/863 (10 restricted substances) (RoHS)

■Standard Accessories Fluoroplastic sealing tape

■Models

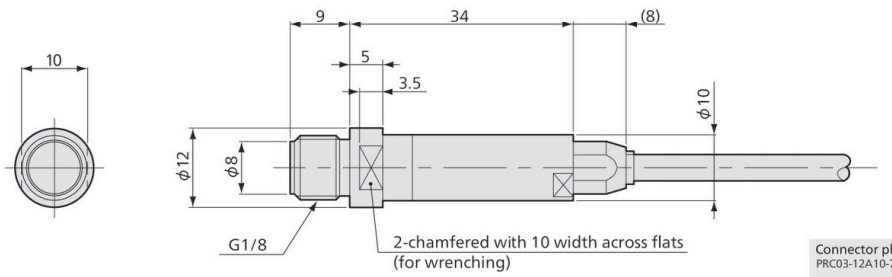
Model	Rated Capacity	Natural Frequencies (Approx.)
PGMC-A-200KP	200 kPa	24 kHz
PGMC-A-500KP	500 kPa	34 kHz
PGMC-A-1MP	1 MPa	40 kHz

*TEDS-installed models are available. Please contact us.

To Ensure Proper Usage

- Copper alloy material used for the liquid-contacting part. Do not use with liquids or gases that could corrode this material.
- The diaphragm and body are assembled using epoxy resin adhesive. The product cannot be used in locations exposed to organic solvents or acids that could cause adhesive to deteriorate.

■Dimensions



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

