PGM-G

Low Pressure Transducer



Highly accurate and stable measurement of low pressures

- Rated capacity: 20 to 100 kPa
- Integrated back-pressure compensation conduit pipe

Small-capacity transducers capable of stable measurement.

Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±0.5% RO
Hysteresis	Within ±0.3% RO
Repeatability	0.5% RO or less
Rated Output	PGM-02KG 0.75 mV/V or more
	PGM-05KG 1.25 mV/V or more
	PGM-1KG 1.4 mV/V or more
Environmental Characteristics	
Safe Temperature	−20 to 70℃
Compensated Temperature	−10 to 60℃
Temperature Effect on Zero	Within ±0.02% RO/℃
Temperature Effect on Output	Within ±0.03%/℃
Electrical Characteristics	
Safe Excitation	5 V AC or DC
Recommended Excitation	1 to 3 V AC or DC
Input Resistance	350 Ω ±10%
Output Resistance	350 Ω ±10%
Cable	4-conductor (0.09 mm²) horizontal vinyl shielded cable
	in fluoroplastic tube, 4.2 mm diameter by 3 m long,
	terminated with a connector plug PRC03-12A10-7M
	(Shield wire is not connected to the case.)
Mechanical Properties	
Safe Overloads	150%
Natural Frequencies	See table below.
Material	Case: Stainless steel
	Liquid-contacting part: SUS304
Weight	Approx. 40 g (Excluding cable)
Degree of Protection	IP54 (JIS C 0920/IEC 60529)
Mounting Screw	M14 P=1, male
Compliance	Directive 2011/65/EU, (EU)2015/863 (10 restricted substances) (RoHS)

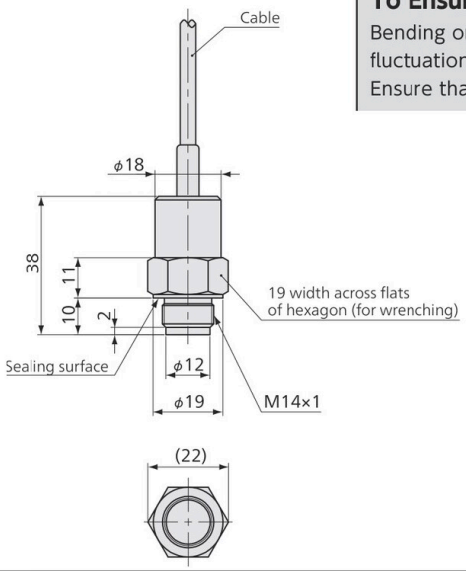
Standard Accessories O-ring JIS B 2401-P14

Models

Model	Rated Capacity	Natural Frequencies (Approx.)
PGM-02KG	20 kPa	2 kHz
PGM-05KG	50 kPa	3 kHz
PGM-1KG	100 kPa	4 kHz

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

Dimensions



To Ensure Proper Usage

Bending or vibrating the cable may cause output fluctuation. Handle the cable with sufficient care. Ensure that the cable is secured when in use.

