

PGM-G

Low Pressure Transducer

- Low Pressure
- 20 to 100 kPa



*TEDS-installed models are available. Inquiries are welcome.
1MPa model PGM-10KD M156, and
2MPa model PGM-20KD M156 are available.

Enable Highly Accurate and Stable Measurement of Low Pressures

PGM-G series pressure transducers come with the cable in a conduit pipe for back-pressure compensation. Thus, they are easy to handle and enable highly accurate and stable measurement of low pressure.

Specifications

Performance

Rated Capacity	See table below.	
Nonlinearity	Within $\pm 0.5\%$ RO	
Hysteresis	Within $\pm 0.3\%$ RO	
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°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within $\pm 0.02\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.03\%$ /°C

Electrical Characteristics

Safe Excitation	5 V AC or DC
Recommended Excitation	1 to 3 V AC or DC
Input Resistance	350 Ω $\pm 10\%$
Output Resistance	350 Ω $\pm 10\%$
Cable	4-conductor (0.08 mm ²) horizontal vinyl shielded cable in fluoroplastic tube, 4.2 mm diameter by 3 m long, terminated with 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: SUS metallic finish Liquid-contacting part: SUS 304
Weight	Approx. 40 g (Excluding cable)
Degree of Protection	IP54 (IEC 60529)
Mounting Screw	M14 P=1, male

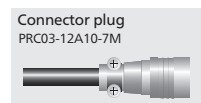
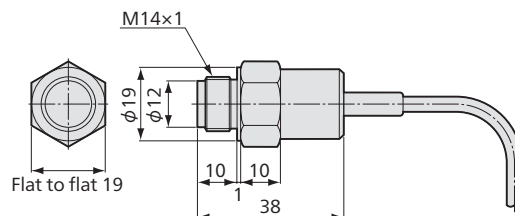
Standard Accessories O-ring (JIS B 2401-P14)

Models	Rated Capacity	Natural Frequencies
PGM-02KG	20 kPa	≈ 2 kHz
PGM-05KG	50 kPa	≈ 3 kHz
PGM-1KG	100 kPa	≈ 4 kHz

To Ensure Safe Usage

Neither bend nor vibrate the cable, otherwise, the output may be affected.
So, please fasten the cable when using.

Dimensions



- Physical quantity indication
- Static measurement
- Dynamic measurement

PGM-G Recommended products for combination

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Instrumentation Amplifier
WGA-900A
→ 3-95
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Data Logger
UCAM-60B
→ 3-25
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Strain Amplifier
DPM-900 Series
→ 3-5
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Universal Recorder
EDX-200A
→ 3-55
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Universal Recorder
EDX-100A
→ 3-63
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Sensor Interface
PCD-400A
→ 3-77