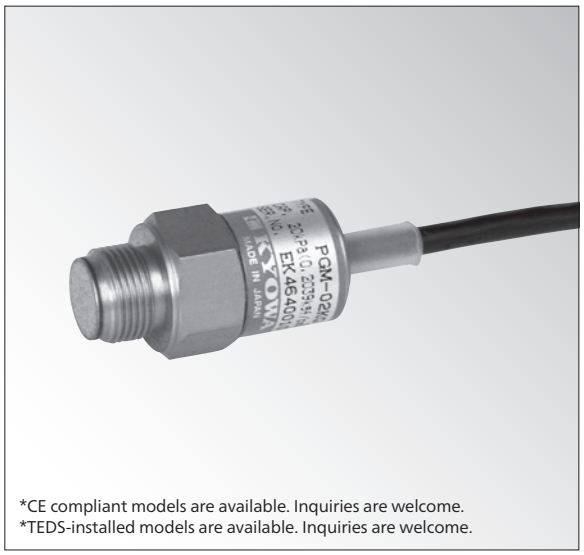
PGM-G

Low Pressure Transducer

●Low pressure
●20 to 100 kPa



*CE compliant models are available. Inquiries are welcome.
*TEDS-installed models are available. Inquiries are welcome.

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 ±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°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within ±0.02% RO/°C
Temperature Effect on Output	Within ±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 ±10%
Output Resistance	350 Ω ±10%
Cable	4-conductor (0.08 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: SUS 304
Weight	Approx. 40 g (Excluding cable)
Degree of Protection	IP54 (IEC 60529)
Mounting Screw	M14 P=1, male

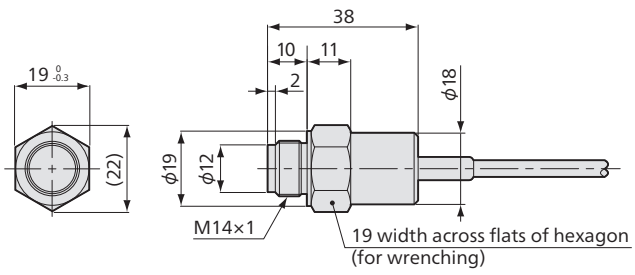
Standard Accessories O-ring JIS B 2401-P14

Models	Rated Capacity	Natural Frequencies (Approx.)
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



Connector plug
PRC03-12A10-7M