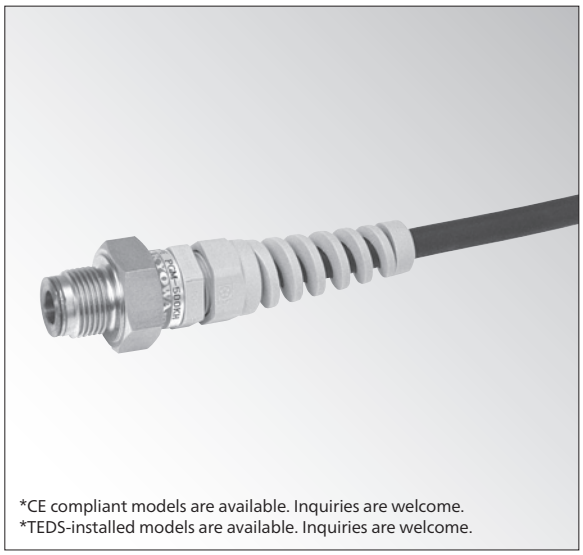
PGM-H

●Highly accurate ●500 kPa to 50 MPa

Small-sized Pressure Transducer



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

Compact semiflush diaphragm type and available in various rated capacities

PGM-H series pressure transducers are suitable for pressure measurement in limited space. Because of a diaphragm at the end, it ensures excellent response and dynamic characteristics.
The PGM-H has 9 types of rated capacities from 500 kPa to 50 MPa. The PGM-H also has wide pressure ranges.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within ±0.3% RO
	(5 to 20KH: Within ±0.5% RO)
Hysteresis	Within ±0.2% RO
Repeatability	0.15% RO or less
Rated Output	2 mV/V or more
	5KH: 1.35 mV/V or more

Environmental Characteristics

Safe Temperature	-20 to 70°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within ±0.03% RO/°C
	(5 to 20KH: Within ±0.05% RO/°C)
Temperature Effect on Output	Within ±0.02%/°C

Electrical Characteristics

Safe Excitation	6 V AC or DC
Recommended Excitation	1 to 3 V AC or DC
Input Resistance	350 Ω ±2%
Output Resistance	350 Ω ±2%
Cable	4-conductor (0.3 mm^2) chloroprene shielded cable,
	7.6 mm diameter by 3 m long, terminated with a connector plug
	PRC03-12A10-7M
	(Shield wire is not connected to the case.)

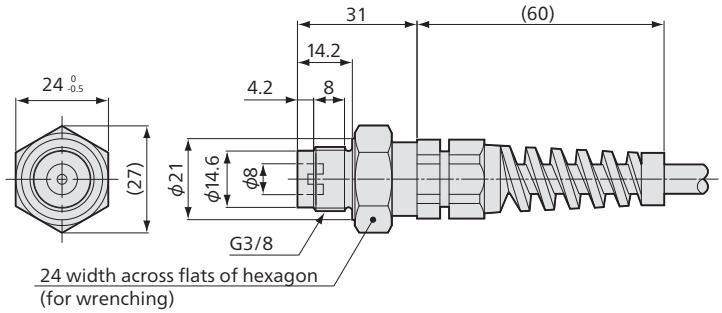
Mechanical Properties

Safe Overloads	150%
Natural Frequencies	See table below.
Material	Case: Stainless steel
	Liquid-contacting part: SUS 630
Weight	Approx. 65 g (Excluding cable)
Degree of Protection	IP64 (IEC 60529)
Mounting Screw	G3/8, male

Standard Accessories Gasket (Mild copper)

Models	Rated Capacity	Natural Frequencies (Approx.)
PGM-5KH	500 kPa	19 kHz
PGM-10KH	1 MPa	26 kHz
PGM-20KH	2 MPa	37 kHz
PGM-30KH	3 MPa	46 kHz
PGM-50KH	5 MPa	57 kHz
PGM-100KH	10 MPa	78 kHz
PGM-200KH	20 MPa	110 kHz
PGM-300KH	30 MPa	134 kHz
PGM-500KH	50 MPa	174 kHz

Dimensions



Connector plug
PRC03-12A10-7M