PGM-H

Small-sized Pressure Transducer

CE



Wide capacity range

●Rated capacity: 500 kPa to 50 MPa

Semi-flush diaphragm type transducers suitable for pressure measurement in limited spaces.

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℃
Compensated Temperature	−10 to 60℃
Temperature Effect on Zero	Within ±0.03% RO/℃ (5 to 20KH: Within ±0.05% RO/℃)
Temperature Effect on Output	Within ±0.02%/℃
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 mm²) 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 (JIS C 0920/IEC 60529)
Mounting Screw	G3/8, male
Compliance	Directive 2011/65/EU, (EU)2015/863 (10 restricted substances) (RoHS)

■Standard Accessories Gasket (Mild copper)

■Models

Model	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

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

■Dimensions



