

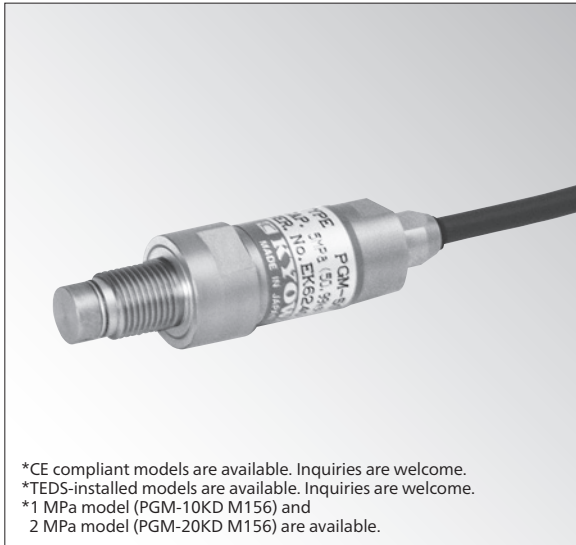
PGM-D

● High frequency response ● 5 to 50 MPa

Small-sized Pressure Transducer

2
-92

TRANSDUCERS



High frequency response and highly accurate flush diaphragm type with small pressure sensing surface

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.5\%$ RO
Hysteresis	Within $\pm 0.5\%$ RO
Rated Output	1.5 mV/V $\pm 20\%$

Environmental Characteristics

Safe Temperature	-10 to 70°C
Compensated Temperature	0 to 60°C
Temperature Effect on Zero	Within $\pm 0.1\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.1\%$ /°C

Electrical Characteristics

Safe Excitation	3 V AC or DC
Recommended Excitation	1 to 2 V AC or DC
Input Resistance	120 Ω $\pm 2\%$
Output Resistance	120 Ω $\pm 2\%$
Cable	4-conductor (0.065 mm ²) vinyl shielded cable, 4 mm diameter by 3 m long, terminated with a connector plug PRC03-12A10-7M (Shield wire is connected to the case.)

Mechanical Properties

Safe Overloads	150%
Natural Frequencies	See table below.
Material	Case: SUS (Metallic finish) Liquid-contacting part: SUS 630
Weight	Approx. 40 g (Excluding cable)
Mounting Screw	G1/8, male

Standard Accessories Gasket (Mild copper)

Models	Rated Capacity	Natural Frequencies (Approx.)
PGM-50KD	5 MPa	83 kHz
PGM-100KD	10 MPa	113 kHz
PGM-200KD	20 MPa	150 kHz
PGM-500KD	50 MPa	250 kHz



Outline

General

High temp.
Low temp.

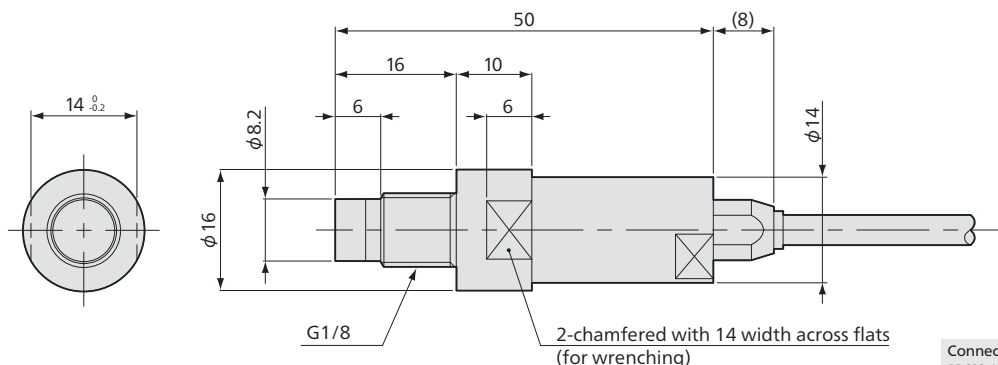
Absolute pressure
High pressure

Pressure transmitter

Differential pressure

Distributed pressure

Dimensions



Connector plug
PRC03-12A10-7M

