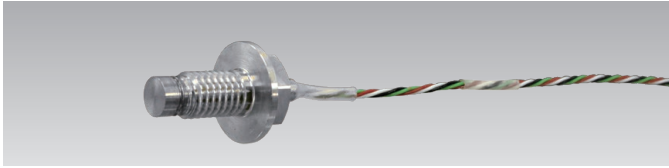


PRESSURE TRANSDUCERS

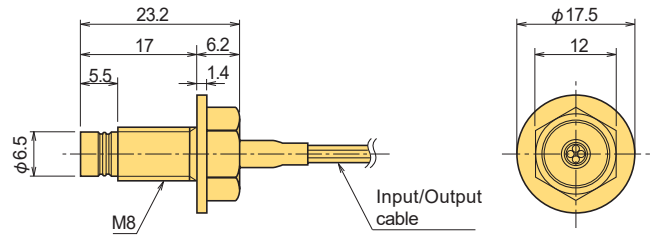
PWFD-PB Flush Diaphragm Pressure Transducer 2~20MPa



M8 size
High temperature

The PWFD-PB is a bolt-shaped flush diaphragm pressure transducer. As it is small and can be used for dynamic measurement in high temperature region, it suits various pressure measurements around engine. The shape of hexagonal bolt (M8 size) with flange makes installation to a screw hole easy.

Protection ratings: IP67 equivalent



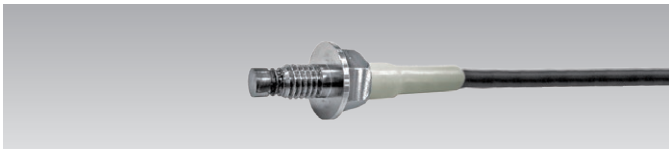
■ SPECIFICATIONS

TYPE	PWFD-2MPB	PWFD-5MPB	PWFD-10MPB	PWFD-20MPB
Capacity	2MPa	5MPa	10MPa	20MPa
Rated Output	1.5mV/V(3000×10 ⁻⁶ strain) ±25%	2mV/V(4000×10 ⁻⁶ strain) ±25%		
Non-linearity	0.5%RO			
Hysteresis	0.5%RO			
Repeatability	0.5%RO			
Temperature effect on zero	0.03%RO/°C			
Temperature effect on span	0.03%/°C			
Compensated temperature range	0 ~ +150°C			
Allowable temperature range	-20 ~ +150°C			
Over load	150%			
Ultimate overload rating	300%			
Input/Output resistance	350Ω			
Recommended exciting voltage	2V or less			
Allowable exciting voltage	5V			
Natural frequency	70kHz	90kHz	130kHz	180kHz
Mounting thread	M8			
Materials of pressure media	SUS630			
Weight	7g			

Input/Output cable :
0.08mm² 4-core fluoroplastic insulated cable 2m
Applicable fitting torque : 10~15N·m

NB: A zero point may drift for a long term continuous use in high temperature.

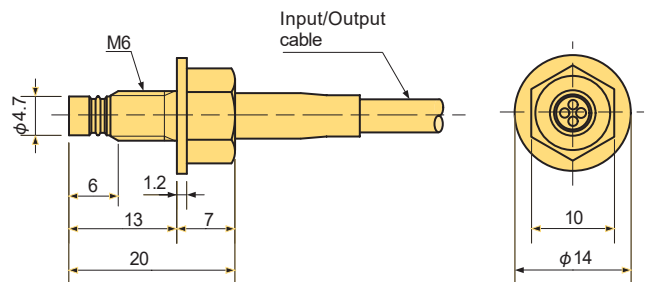
PWFE-PA Flush Diaphragm Pressure Transducer 2~20MPa



M6 size
High temperature

The PWFE-PA is a bolt-shaped flush diaphragm pressure transducer. As it is small and can be used for dynamic measurement in high temperature region, it suits various pressure measurements around engine. The shape of hexagonal bolt (M6 size) with flange makes installation to a screw hole easy.

Protection ratings: IP67 equivalent



■ SPECIFICATIONS

TYPE	PWFE-2MPA	PWFE-5MPA	PWFE-10MPA	PWFE-20MPA
Capacity	2MPa	5MPa	10MPa	20MPa
Rated Output	1.5mV/V(3000×10 ⁻⁶ strain) ±25%	1.75mV/V(3500×10 ⁻⁶ strain) ±25%		
Non-linearity	1%RO	0.5%RO		
Hysteresis	1%RO	0.5%RO		
Repeatability	0.5%RO			
Temperature effect on zero	0.1%RO/°C			
Temperature effect on span	0.03%/°C			
Compensated temperature range	-20 ~ +150°C			
Allowable temperature range	-20 ~ +150°C			
Over load	120%			
Input/Output resistance	120Ω			
Recommended exciting voltage	2V or less			
Allowable exciting voltage	5V			
Natural frequency	110kHz	160kHz	200kHz	270kHz
Mounting thread	M6			
Materials of pressure media	SUS630			
Weight	5g			

Input/Output cable :
φ4mm 0.08mm² 4-core fluoroplastic insulated cable 2m
Applicable fitting torque : 4~5N·m

NB: A zero point may drift for a long term continuous use in high temperature.