

# PRESSURE TRANSDUCERS

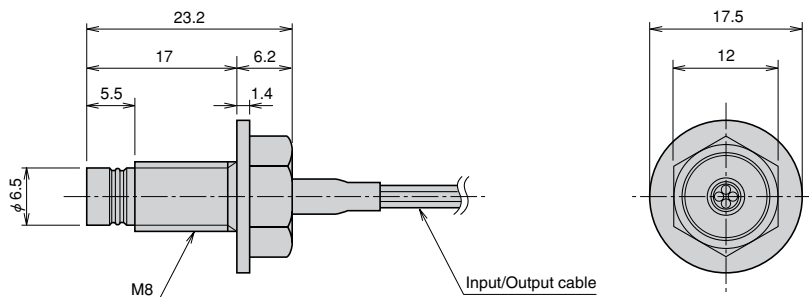
## PWFD-PA Pressure Transducer

2~20MPa



The PWFD-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 with flange makes installation to a screw hole easy.

Protection ratings : IP 67 equivalent



### Specifications

Type	PWFD-2MPa	PWFD-5MPa	PWFD-10MPa	PWFD-20MPa
Capacity	2MPa	5MPa	10MPa	20MPa
Rated output	1.25mV/V (2500×10 <sup>-6</sup> strain)		1.5mV/V (3000×10 <sup>-6</sup> strain)	
Non-linearity	0.5%RO			
Hysteresis	0.5%RO			
Repeatability	0.5%RO			
Temperature effect on zero	0.1%RO/°C			
Temperature effect on span	0.1%/°C			
Compensated temperature range	0~+150°C			
Temperature range	-20~+150°C			
Over load	150%			
Input/output resistance	350Ω			
Recommended exciting voltage	Less than 2V			
Allowable exciting voltage	5V			
Natural frequency	70kHz	94kHz	130kHz	180kHz
Mounting screws	M8			
Pressure media	SUS630			
Weight	7g			

N.B.: Applicable torque should be 10~15N·m.

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

Input/output cable : 0.08mm<sup>2</sup> 4-core Fluoride plastic insulated cable 2m