

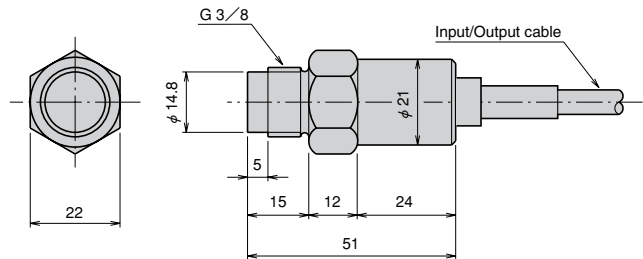
PRESSURE TRANSDUCERS

PWF-PA Pressure Transducer

1~50MPa



Because this transducer has its pressure-receiving surface at the top of mounting screws, it is suitable for use in a situation where pressure changes dynamically. It is widely used to measure the pressure in pipelines, cylinder pressure, and so forth.
Protection ratings : IP 67 equivalent



Specifications

Type	PWF-1MPa	PWF-2MPa	PWF-5MPa	PWF-10MPa	PWF-20MPa	PWF-50MPa
Capacity	1MPa	2MPa	5MPa	10MPa	20MPa	50MPa
Rated output	1.5mV/V (3000×10 ⁻⁶ strain)±25%					
Non-linearity	0.5%RO					
Hysteresis	0.5%RO					
Repeatability	0.5%RO					
Temperature effect on zero	0.06%RO/°C					
Temperature effect on span	0.08%/°C					
Compensated temperature range	-10~+60°C					
Temperature range	-20~+70°C					
Over load	150%					
Input/output resistance	350Ω					
Recommended exciting voltage	Less than 6V					
Allowable exciting voltage	10V					
Natural frequency	28kHz	38kHz	55kHz	76kHz	107kHz	166kHz
Mounting screws	G3/8 (PF3/8)					
Pressure media	SUS630					
Weight	100g					

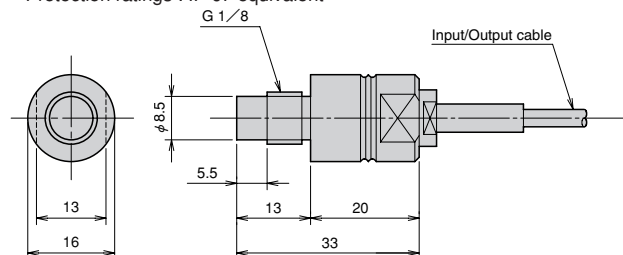
N.B.: Applicable torque should be 10~20N·m.
Input/output cable : φ6mm 0.35mm² 4-core shielded chloroprene cable 2m

PWFC-PA Pressure Transducer

2~50MPa



The PWFC-PA flush diaphragm pressure transducer is small in size and the screw used to mount it is also small G1/8 (PF1/8). The high responsiveness to changes in pressure makes this transducer most suitable for pressure control systems or pressure measurement in a confined space. It is widely used to control pressure in production lines, to measure cylinder pressure, and for many other applications.
Protection ratings : IP 67 equivalent



Specifications

Type	PWFC-2MPa	PWFC-5MPa	PWFC-10MPa	PWFC-20MPa	PWFC-50MPa
Capacity	2MPa	5MPa	10MPa	20MPa	50MPa
Rated output	1.25mV/V (2500×10 ⁻⁶ strain)±25%	1.5mV/V (3000×10 ⁻⁶ strain)±25%			
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	-10~+60°C				
Temperature range	-20~+70°C				
Over load	150%				
Input/output resistance	350Ω				
Recommended exciting voltage	Less than 3V				
Allowable exciting voltage	6V				
Natural frequency	70kHz	94kHz	130kHz	180kHz	290kHz
Mounting screws	G1/8 (PF1/8)				
Pressure media	SUS630				
Weight	25g				

N.B.: Applicable torque should be 10~15N·m.
Input/output cable : φ3mm 0.05mm² 4-core shielded chloroprene cable 2m