

# PRESSURE TRANSDUCERS

## PW-PA Pressure Transducer

100kPa~50MPa



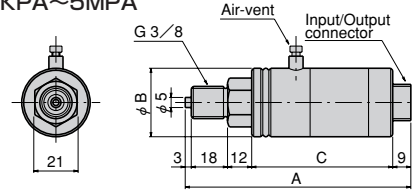
The PW-PA pressure transducer can make stable high-accuracy measurement over a long period of time. It is widely used in production lines and plants and to measure liquid pressure, air pressure, and so forth in laboratories.

Protection ratings : IP 42 equivalent for PW-100KPA/PW-200KPA  
: IP 65 equivalent for PW-500KPA~PW-50MPa

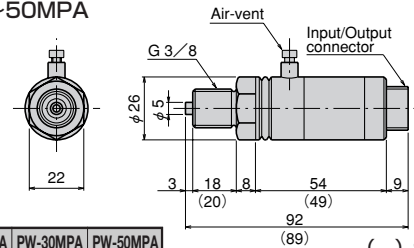
### Specifications

Type	PW-100KPa	PW-200KPa	PW-500KPa	PW-1MPa	PW-2MPa	PW-5MPa	PW-10MPa	PW-20MPa	PW-30MPa	PW-50MPa
Capacity	100kPa	200kPa	500kPa	1MPa	2MPa	5MPa	10MPa	20MPa	30MPa	50MPa
Rated output	1mV/V (2000×10 <sup>-6</sup> strain)±1%		1.5mV/V (3000×10 <sup>-6</sup> strain)±1%		2mV/V (4000×10 <sup>-6</sup> strain)±1%					
Non-linearity	0.3%RO				0.2%RO					
Hysteresis	0.3%RO				0.2%RO					
Repeatability			0.3%RO				0.2%RO			
Temperature effect on zero					0.02%RO/°C					
Temperature effect on span					0.02%/°C					
Compensated temperature range					-10~+60°C					
Temperature range					-20~+70°C					
Over load					150%					
Input/output resistance					350Ω±1%					
Recommended exciting voltage	Less than 3V				Less than 6V					
Allowable exciting voltage	10V				15V					
Mounting screws					G3/8 (PF3/8)					
Pressure media					SUS 630					
Weight	530g				400g		200g			

PW-100KPA~5MPa



PW-10~50MPa



### Dimensions

Type	A	B	C
PW-100~500KPa	105	42	63
PW1~5MPa	112	34	70
PW-10~50MPa	As per the figure		

Supplied cable :  
CT9-4N2/WP-STB (φ9mm 0.5mm<sup>2</sup>  
4-core shielded chloroprene cable 2m)

## PWH-PA Pressure Transducer

70~200MPa

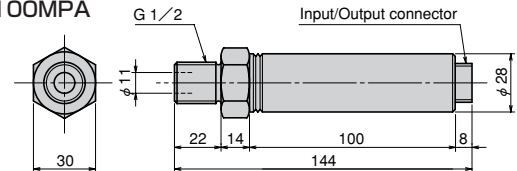


The PWH-PA high-capacity pressure transducer has a sealed structure made with high-strength stainless steel. Using this highly sensitive transducer, stable high-accuracy measurement can be made over a long period of time. It is used to control plant or production lines, to measure jack pressure, and for various other applications.  
Protection ratings : IP 65 equivalent

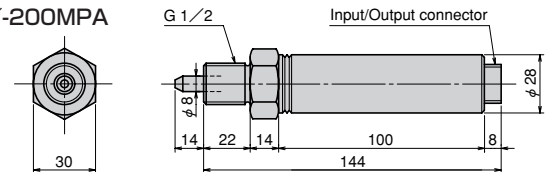
### Specifications

Type	PWH-70MPa	PWH-100MPa	PWH-150MPa	PWH-200MPa
Capacity	70MPa	100MPa	150MPa	200MPa
Rated output	1mV/V (2000×10 <sup>-6</sup> strain)±1%			
Non-linearity	0.2%RO			
Hysteresis	0.2%RO			
Repeatability	0.3%RO			
Temperature effect on zero	0.02%RO/°C			
Temperature effect on span	0.02%/°C			
Compensated temperature range	-10~+60°C			
Temperature range	-20~+70°C			
Over load	150%			
Input/output resistance	350Ω±1%			
Recommended exciting voltage	Less than 6V			
Allowable exciting voltage	15V			
Mounting screws	G1/2 (PF1/2)			
Pressure media	SUS 630			
Weight	400g		410g	

PWH-70/-100MPa



PWH-150/-200MPa



Supplied cable :  
CT9-4N2/WP-STB (φ9mm 0.5mm<sup>2</sup>  
4-core shielded chloroprene cable 2m)