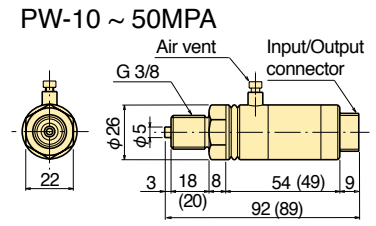
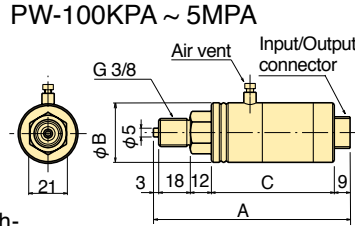


# PRESSURE TRANSDUCERS

## PW-PA Pressure Transducer 100kPa~50MPa



Figures in parentheses are of PW-50MPA.

### ■ Dimensions

TYPE	A	φB	C
PW-100~ 500KPA	105	42	63
PW-1~ 5MPA	112	34	70
PW-10~ 50MPA	As per the figure		

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: IP42 equivalent PW-100KPA, 200KPA  
IP65 equivalent PW-500KPA~50MPA

### ■ SPECIFICATIONS

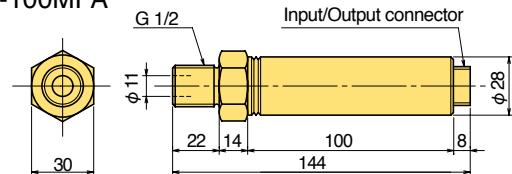
TYPE	PW-100KPA	PW-200KPA	PW-500KPA	PW-1MPA	PW-2MPA	PW-5MPA	PW-10MPA	PW-20MPA	PW-30MPA	PW-50MPA
Capacity	100kPa	200kPa	500kPa	1MPa	2MPa	5MPa	10MPa	20MPa	30MPa	50MPa
Rated Output	1mV/V(2000×10 <sup>-6</sup> strain) ±1%		1.5mV/V(3000×10 <sup>-6</sup> strain) ±1%			2mV/V(4000×10 <sup>-6</sup> strain) ±1%				
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				
Allowable temperature range						-20 ~ +70°C				
Over load						150%				
Input/Output resistance						350Ω±1%				
Recommended exciting voltage	3V or less					6V or less				
Allowable exciting voltage	10V					15V				
Mounting thread						G3/8 (PF3/8)				
Materials of pressure media						SUS630				
Weight	530g			400g			200g			

Supplied cable : CT9-4N2/WP-STB (φ9mm 0.5mm<sup>2</sup> 4-core shielded chloroprene cable 2m) For measurement of negative pressure, please consult us.

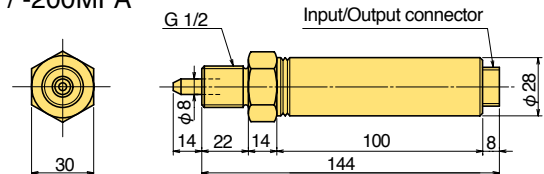
## PWH-PA High capacity Pressure Transducer 70~200MPa



PWH-70/-100MPA



PWH-150 / -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: IP65 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			
Allowable temperature range	-20 ~ +70°C			
Over load	150%			
Input/Output resistance	350Ω±1%			
Recommended exciting voltage	6V or less			
Allowable exciting voltage	15V			
Mounting thread	G1/2 (PF1/2)			
Materials of pressure media	SUS630			
Weight	400g		410g	

**High capacity**  
Available for many fields of industrial application such as plant, production line, jack pressure, etc.

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