

# PRESSURE TRANSDUCERS

## PW-PAH High temperature Pressure Transducer

2~50MPa



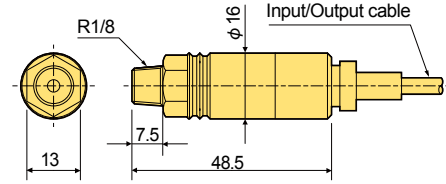
The PW-PAH pressure transducer is designed to measure pressure in a high temperature with compact size. As the model equipped with a fluoroplastic Input/Output cable, a high temperature pressure measurement is available up to 170°C. These models line up five ranges of 2, 5, 10, 20 and 50MPa.

Protection ratings: IP65 equivalent

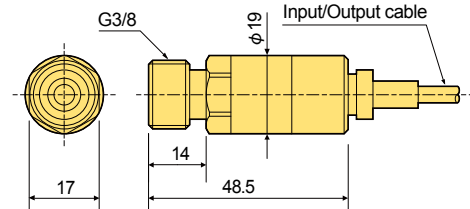
### SPECIFICATIONS

TYPE	PW-2MPAH	PW-5MPAH	PW-10MPAH	PW-20MPAH	PW-50MPAH
Capacity	2MPa	5MPa	10MPa	20MPa	50MPa
Rated Output	2mV/V(4000× 10 <sup>-6</sup> strain) ±25%				
Non-linearity	0.3%RO				
Hysteresis	0.2%RO				
Repeatability	0.2%RO				
Temperature effect on zero	0.008%RO/°C				
Temperature effect on span	0.01%/°C				
Compensated temperature range	-40 ~ +150°C				
Allowable temperature range	-40 ~ +170°C				
Over load	150%				
Input/Output resistance	350Ω				
Recommended exciting voltage	Less than 5V				
Allowable exciting voltage	10V				
Mounting screws	R1/8 (Male)			G3/8 (Male)	
Pressure media	SUS630				
Weight	47g			68g	

PW-2MPAH~ -20MPAH



PW-50MPAH



Supplied cable :  
CT4-4F5/SNP-STB (φ4mm 0.08mm<sup>2</sup> 4-core shielded fluoroplastic resin cable 5m)

## PWA Built-in amplifier, High temperature Pressure Transducer 2~50MPa



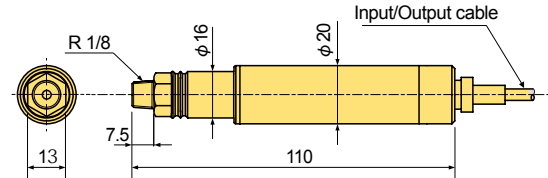
The PWA pressure transducer is a strain gauge pressure transducer with built-in amplifier. As the model equipped with a fluoroplastic input/output cable, a high temperature pressure measurement is available up to 120°C. This model consists of two types of outputs for voltage and current and five ranges of 2, 5, 10, 20 and 50MPa.

Protection ratings: IP65 equivalent

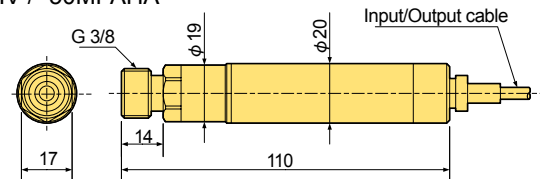
### SPECIFICATIONS

TYPE	PWA-2MPAHV	PWA-5MPAHV	PWA-10MPAHV	PWA-20MPAHV	PWA-50MPAHV	PWA-2MPAHA	PWA-5MPAHA	PWA-10MPAHA	PWA-20MPAHA	PWA-50MPAHA
Capacity	2MPa	5MPa	10MPa	20MPa	50MPa	2MPa	5MPa	10MPa	20MPa	50MPa
Rated Output	Voltage output 0~5V					Current output 4~20mA				
Non-linearity	0.3%RO					0.3%RO				
Hysteresis	0.3%RO					0.3%RO				
Temperature effect on zero	0.01%RO/°C					0.01%RO/°C				
Temperature effect on span	0.03%/°C					0.03%/°C				
Compensated temperature range	-20 ~ +150°C (Pressure media) -20 ~ +120°C (Operating)					-20 ~ +150°C (Pressure media) -20 ~ +120°C (Operating)				
Allowable temperature range	-20 ~ +120°C					-20 ~ +120°C				
SN ratio	More than 50dB					More than 50dB				
Load resistance	More than 5kΩ					More than 500Ω				
Power requirement	DC 12(10.5~15)V 30mA MAX					DC 24(21~30)V 30mA MAX				
Mounting screws	R1/8 external				G3/8 internal	R1/8 external				G3/8 internal
Materials of pressure media	SUS630					SUS630				
Weight	110g				127g	110g				127g

PWA-2~-20MPAHV / -2~-20MPAHA



PWA-50MPAHV / -50MPAHA



Supplied cable : CT4-4F5/SNP-STB (φ4mm 0.08mm<sup>2</sup> 4-core shielded fluoroplastic cable 5m)