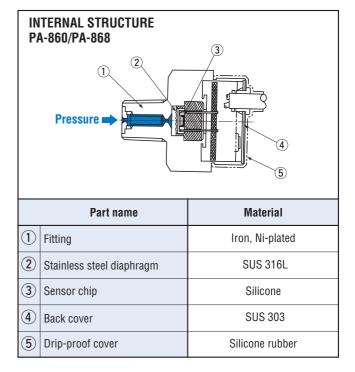
PRESSURE TRANSDUCERS WITH AMP.

PA-860/PA-868

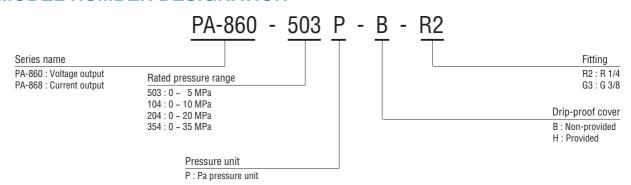


FEATURES

- Resistant against surge pressure
- SUS 316L welded stainless steel diaphragm
- Built-in amplifier circuit
- Voltage or current output modes are available



■ MODEL NUMBER DESIGNATION



*** Please refer to the LIST OF MODEL NUMBERS when placing orders.**

PA-860/PA-868 PRESSURE TRANSDUCERS WITH AMP.

■ LIST OF MODEL NUMBERS

Output	Fittina	Pressure reference	Gauge					
Output	riumy	Drip-proof cover Rated pressure range [MPa]	0 ~ 5	0 ~ 10	0 ~ 20	0 ~ 35		
	R2	Non-provided	PA-860-503P-B-R2	PA-860-104P-B-R2	PA-860-204P-B-R2	PA-860-354P-B-R2		
Voltage output	(R 1/4)	Provided	PA-860-503P-H-R2	PA-860-104P-H-R2	PA-860-204P-H-R2	PA-860-354P-H-R2		
	G3 (G 3/8)	Non-provided	PA-860-503P-B-G3	PA-860-104P-B-G3	PA-860-204P-B-G3	PA-860-354P-B-G3		
		Provided	PA-860-503P-H-G3	PA-860-104P-H-G3	PA-860-204P-H-G3	PA-860-354P-H-G3		
	R2	Non-provided	PA-868-503P-B-R2	PA-868-104P-B-R2	PA-868-204P-B-R2	PA-868-354P-B-R2		
Current	(R1/4)	Provided	PA-868-503P-H-R2	PA-868-104P-H-R2	PA-868-204P-H-R2	PA-868-354P-H-R2		
output	G3 (G 3/8)	Non-provided	PA-868-503P-B-G3	PA-868-104P-B-G3	PA-868-204P-B-G3	PA-868-354P-B-G3		
		Provided	PA-868-503P-H-G3	PA-868-104P-H-G3	PA-868-204P-H-G3	PA-868-354P-H-G3		

 $[\]ensuremath{\boldsymbol{\#}}$: Verify the above model numbers when placing orders.

■ STANDARD SPECIFICATIONS

• Unless otherwise specified, the specs are defined at an ambient temperature of 25 ± 5 °C and excitation voltage of 12 V DC.

	ltom Model	numbar	PA-860				PA-868			
	Item Model	lodel number	503P	104P	204P	354P	503P	104P	204P	354P
	Pressure reference		Gauge *1							
	Rated pressure range	MPa	5	10	20	35	5	10	20	35
	Maximum pressure MPa		10	20	40	50	10	20	40	50
	Operating temp. range °C		− 10 ~ 75							
Suc	Compensated temp. range °C		0 ~ 50							
icatio	Operating humidity %RH		35 ~ 85 (No condensation)							
specif	Storage temp. °C		– 20 ~ 90 (Atmospheric pressure, humidity 65 %RH maximum)							
General specifications	Pressure medium		Hydraulic oil							
Gen	Insulation resistance M\Omega minimum		100 (500 V DC)							
	Dielectric strength		350 V AC, 60 s (Leakage current 0.5 mA maximum)							
	Pressure port		R 1/4、G 3/8							
	Net weight g		Approx. 170							
	Drip-proof structure		Without drip-proof cover : IP-54, With drip-proof cover : IP-65							

^{*1:} The transducer measures gauge pressure using an absolute pressure sensing element.

PA-860/PA-868 PRESSURE TRANSDUCERS WITH AMP.

■ STANDARD SPECIFICATIONS

• Unless otherwise specified, the specs are defined at an ambient temperature of 25 ± 5 °C and excitation voltage of 12 V DC.

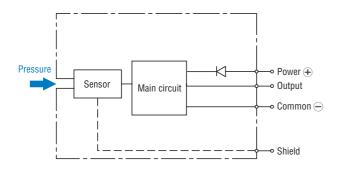
Itom		Madal number	PA-860				PA-868			
	Item \ N	Model number	503P	104P	204P	354P	503P	104P	204P	354P
Power	Supply voltage V DC			12 ~ 24 ± 10 %						
Pov	Consumption current	maximum	10 mA							
	Output voltage/current DC			1 ~ 5 V			4 ~ 20 mA			
	Zero voltage/current	1 ± 0.05 V 4 ± 0.1 mA			.1 mA					
=	Span voltage/current	4 ± 0.05 V			16 ± 0.1 mA					
output	Linearity/Hysteresis	± 0.5								
Analog	The support	ZERO %F.S./°C	± 0.05							
Ā	Thermal error SPAN \$P.S./°C ± 0.05									
	Load resistance	10 kΩ minimum			500 Ω maximum (At power voltage 24 V)					
	Response maximum		1 711							

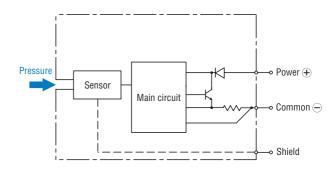
■ ENVIRONMENTAL CHARACTERISTICS

Test item		Permissible change		
Vibration	10 ~ 500 Hz, 1.5 mm maximum/98.1 m/s², 3 directions for 2 hours each	Zero voltage/current, Span voltage/current: ± 3 %F.S. maximum each		
Shock	490 m/s², 3 directions for 3 times each			
Pressure cycling	0 ~ Rated pressure, 10 ⁶ cycles			
Moisture resistance 40 °C, 90 ~ 95 %RH, 240 hrs.				

■ INTERNAL ELECTRICAL SCHEMATICS

● PA-860 ● PA-868



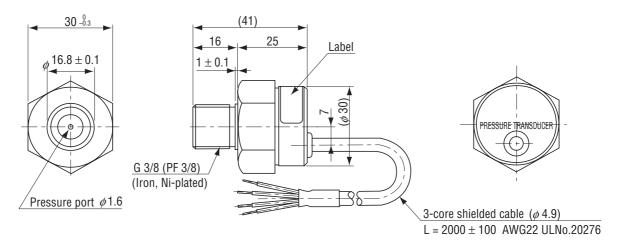


PA-860/PA-868 PRESSURE TRANSDUCERS WITH AMP.

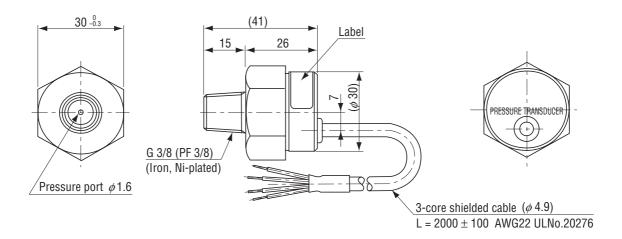
■ OUTLINE DIMENSIONS

Unless otherwise specified, tolerance : ± 0.5 (Unit: mm)

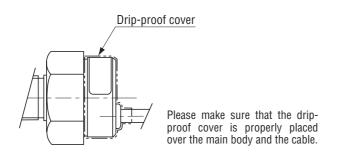
Configurations of joint G3 (G 3/8) type



Configurations of joint R2 (R 1/4) type



Drip-proof cover type



PA-860

Wire color	Connection		
Red	Power +		
Black	Common		
White	Output		
Grav	Shield		

PA-868

Wire color	Connection
Red	Power +
Black	N.C.
White	Output
Gray	Shield