

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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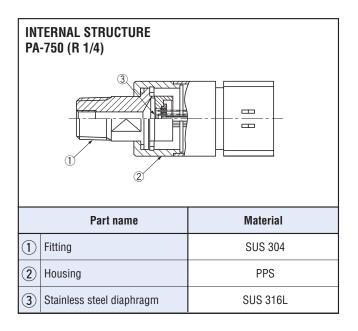


PA-750

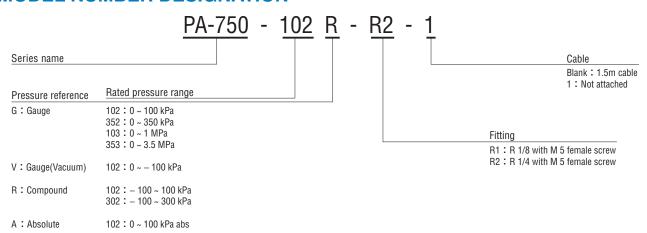


FEATURES

- High corrosion resistance and drip-proof construction Pressure port attachment made of SUS 316L
 Proven IP65 grade gauge body (IP65 in accordance with IEC)
- Cable connector connection
- Buit-in temperature compensation function (0 ~ 50°C)
- Absolute pressure type and compound pressure type which can control negative to positive pressure with only a single pressure gauge are all in line
- Voltage output mode



■ MODEL NUMBER DESIGNATION



PRESSURE TRANSDUCERS WITH AMP.

■ LIST OF MODEL NUMBERS

Fitting	Pressure reference	Gauge									
	Cable Rated pressure range	0 ~ 100	0 ~ 350	0 ~ 1000	0 ~ 3500	0 ~ - 100	- 100 ~ 100	– 100 ~ 300	0 ~ 100 (abs)		
R1	Attached	PA-750- → 102G-R1	PA-750- → 352G-R1	PA-750- 103G-R1	PA-750- 353G-R1	PA-750- → 102V-R1	PA-750- 102R-R1	PA-750- 302R-R1	PA-750- 102A-R1		
	Not attached	PA-750- → 102G-R1-1	PA-750- → 352G-R1-1	PA-750- 103G-R1-1	PA-750- 353G-R1-1	PA-750- → 102V-R1-1	PA-750- 102R-R1-1	PA-750- 302R-R1-1	PA-750- 102A-R1-1		
R2	Attached	PA-750- → 102G-R2	PA-750- → 352G-R2	PA-750- 103G-R2	PA-750- 353G-R2	PA-750- → 102V-R2	PA-750- 102R-R2	PA-750- 302R-R2	PA-750- 102A-R2		
	Not attached	PA-750- → 102G-R2-1	PA-750- → 352G-R2-1	PA-750- 103G-R2-1	PA-750- 353G-R2-1	PA-750- → 102V-R2-1	PA-750- 102R-R2-1	PA-750- 302R-R2-1	PA-750- 102A-R2-1		

^{*}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.

Item Model number		PA-750								
	itelli Model number		352G	103G	353G	102V	102R	302R	102A	
	Pressure reference	Gauge Absolute								
	Rated pressure range kPa	100	350	1000	3500	- 100	- 100 ~ 100	- 100 ~ 300	100 (abs)	
	Maximum pressure kPa	200	700	2000	5000	200	200	600	200 (abs)	
	Break-down pressure kPa	300	1050	3000	7000	300	300	900	300 (abs)	
	Operating temp. range °C	- 20 ~ 80								
Suo	Compensated temp. range °C	0 ~ 50								
General specifications	Operating humidity %RH	35 ~ 85 (No condensation)								
speci	Storage temp. °C	– 20 ~ 80 (Atmospheric pressure, humidity 65 %RH maximum)								
eral	Pressure medium		С	Corrosive gases	/liquids compa	tible with SUS	316L or SUS30	14		
Ger	Insulation resistance MΩ minimum	100 (500 V DC)								
	Dielectric strength	500 V AC, 60 s (Leakage current 1 mA maximum)								
	Sealed liquid	Silicone oil								
	Pressure port	R 1/8、R 1/4								
	Net weight g	R2 : Approx. 50								
	Drip-proof structure		IP65							

The products marked
→ are manufactured upon receipt of order basis.

	Item	Model number	PA-750									
	nem \		102G	352G	103G	353G	102V	102R	302R	102A		
Power	Supply voltage	V DC	10.8 ~ 30									
Po	Consumption curre	ent maximum	10 mA									
	Output voltage	1 ~ 5										
	Zero voltage			1 ± 0.04	3 ± 0.04	2 ± 0.04	1 ± 0.04					
	Span voltage	4 ± 0.04										
	Output current	1 (Load resistance 5 kΩ minimum)										
utput	Linearity/Hysteresi	± 0.3										
Analog output	Thermal error	ZERO %F.S./°C	± 0.05									
Ana		SPAN %F.S./°C	± 0.05									
	Response	Approx. 2										
	resolving power	Approx. 0.004V (Approx. 0.1%F.S.)										
	Gravitational effect (From horizontal position to	± 0.3	± 0.1	± 0	.05	±	0.3	± 0.1	± 0.3			

■ ENVIRONMENTAL CHARACTERISTICS

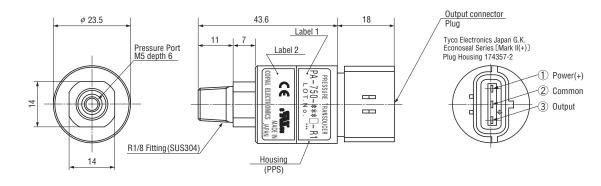
Test item	Test conditions (At 25 \pm 5 °C)	Permissible change			
Vibration	10 ~ 500 Hz, 1.5 mm maximum/98.1 m/s², 3 directions for 2 hours each	Analog output (Zero voltage, Span voltage) : ± 1 %F.S. maximum each			
Shock	490 m/s ² 3 directions for 3 times each				
Pressure cycling	0 ~ Rated pressure/Rated pressure range, 10° cycles				
Moisture resistance	40 °C, 90 ~ 95 %RH, 240 hrs.				

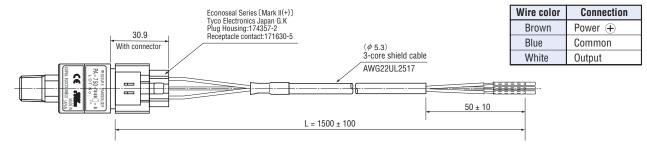
PRESSURE TRANSDUCERS WITH AMP.

OUTLINE DIMENSIONS

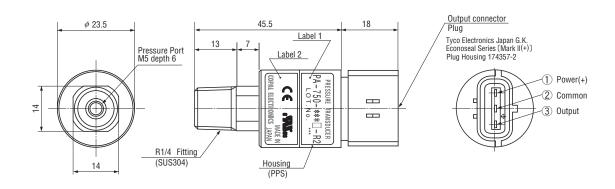
Unless otherwise specified, tolerance : ± 0.5 (Unit: mm)

Configurations of joint R1 (R1/8) type





Configurations of joint R2 (R1/4) type



■ INTERNAL ELECTRICAL SCHEMATICS

