

Differential Pressure Gauges (701P Series)

Applications

- Equipped two Process Connections
- Indicating low and high pressure
- Measuring differential pressure as well as liquid or flow levels
- Recommended to use 3-way & 5-way valve manifold

Pressure Limitation

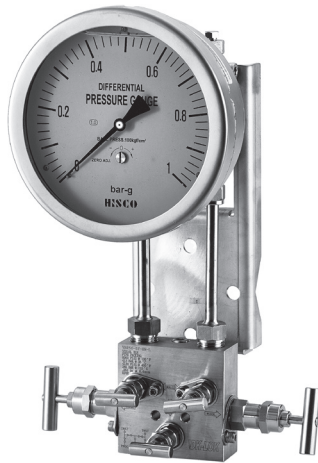
- Steady : full scale value
- Fluctuating : 0.9 of full scale value
- Short time : 1.3 of full scale value

Static Pressure Rating

- Max. Base Pressure : 10 MPa
- Max. Base Pressure : 25 MPa (Option)

Operating Temperature

- Ambient : -20 ~ 65°C
- Media (Fluid) : +100°C maximum



Standard Specification Overview

Dial Size

- 100mm (4"), 150mm (6")

Reference Accuracy

- $\pm 1.5\%$ of Full Scale

Scale Ranges

- 0 ~ 1 MPa
- * For more information, see the ordering information table.

Process Connection

- NPT 1/4" (F)
- NPT 1/2" (F) at 3-Valve & 5-Valve Manifold

Material

- Case & Ring : 304 SS
- Window : Safety Glass
- Pointer : Aluminum Alloy, Black Finished
- Connection : 316 SS
- Element (Bellows) : 316 SS
- Movement : Stainless steel
- Dial : White Aluminum with Black Graduations

Ring Type

- Bayonet

Degree of Protection

- IP 67

Optional Extra

- Test Report by Manufacturer
- Test Report by KOLAS (ILAC-MRA)
- Material Certificate (Mill Sheet)
- High Accuracy ($\pm 1.0\%$ of F.S.) Calibration
- 316L SS Connection Part
- Static Pressure Rating (25MPa)
- 316 SS Case & Cover (Ring)
- 3-way & 5-way valve manifold
- Liquid Filled (Silicone)

Ordering Information for 701P Series

● = Standard Products ▲ = Available NA = Not Available

Model	Description	Case & Ring	Wetted Parts
701P	Differential Pressure Gauges	304 SS	316 SS
Code	Dial Size	Accuracy	701P
40	100mm (4")	± 1.5% of F.S.	●
60	150mm (6")	± 1.5% of F.S.	●
Code	Mounting Type		All
P	Bottom Connection with 2" Pipe Mounting Bracket		●
W	Bottom Connection without Mounting Bracket		●
J	Bottom Connection with 3-hole Front Mounting Flange		●
R	Remote Type Bottom Connection with 2" Pipe Mounting Bracket		●
M	Bottom Connection with Panel Mounting Bracket		●
Code	Standard Type		All
A	ANSI / ASME		●
K	KS / JIS		▲
D	DIN		▲
S	Screw Type		▲
Code	Process Connection Size		All
	ANSI / ASME KS / JIS DIN		
C	1/4" - -		▲
F	1/2" 15 A -		●
H	3/4" 20 A -		▲
J	1" 25 A DN 25		▲
R	1 1/2" 40 A DN 40		▲
T	2" 50 A DN 50		▲
W	3" 80 A DN 80		▲
Y	4" 100 A DN 100		▲
X	Others		
Code	Flange Rating		All
	ANSI / ASME KS / JIS DIN		
2	Class 150 10 K PN 10		▲
3	- - PN 16		▲
4	Class 300 20 K PN 25		▲
X	Others (Thread Type Process Connection)		
Code	Process Connection Style		All
RF	RFSF (125~250 AARH)		▲
FF	FF		▲
PT	PT ("R" in ISO Standard)		▲
NP	NPT		●
X	Others		
Code	Pressure Range		All
090	0 ~ 5 kPa		●

092	0 ~ 10 kPa	●
093	0 ~ 15 kPa	●
094	0 ~ 20 kPa	●
095	0 ~ 25 kPa	●
096	0 ~ 30 kPa	●
098	0 ~ 40 kPa	●
099	0 ~ 50 kPa	●
112	0 ~ 0.1 MPa	●
113	0 ~ 0.2 MPa	●
114	0 ~ 0.3 MPa	●
115	0 ~ 0.4 MPa	●
116	0 ~ 0.6 MPa	●
118	0 ~ 1 MPa	●
Code	Diaphragm Material (Only for Remote Type)	All
N	None	
A	316L SS	●
B	316L SS + PTFE Lining	▲
C	316L SS + PTFE Coating	▲
D	Monel 400	▲
E	Hastelloy C-276	▲
G	Tantalum	▲
X	Others	
Code	Housing Material (Only for Remote Type)	All
	Upper	
1A	304 SS	●
1B	316 SS	▲
1C	316L SS	▲
1X	Other	▲
	Under	
2A	304 SS	▲
2B	316 SS	●
2C	316L SS	▲
2D	Monel	▲
2E	Hastelloy C	▲
2G	PTFE Coating	▲
2H	PVC	▲
2I	Teflon	▲
2X	Other	
Code	Capillary Connection Length (Only for Remote Type)	
00	Direct	56 3.0 m
51	0.5 m	57 3.5 m
52	1.0 m	58 4.0 m
53	1.5 m	59 5.0 m
54	2.0 m	60 Others
55	2.5 m	* Recommend Length Max 10M

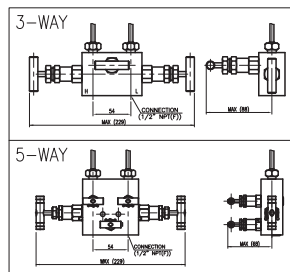
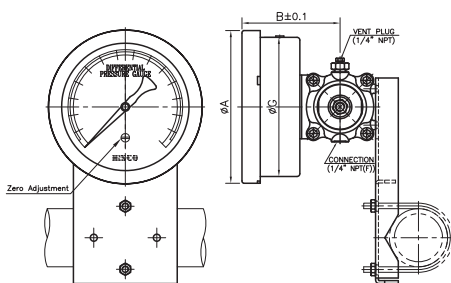
Code	Applicable Accessory Options	
J0	Not Apply	
J9	3-Way Manifold Valves	
J10	5-Way Manifold Valves	

Code	Options	All
Test Reports		
T1	Test Report by Manufacturer	▲
T2	Test Report by KOLAS (ILAC-MRA)	▲
Other Option		
M1	Material Certificate (Mill Sheet)	▲
AC	High Accuracy ($\pm 1.0\%$ of F.S.) Calibration	▲
S7	316L SS Connection Part	▲
ST	Static Pressure Rating (25 MPa)	▲
F4	Liquid Filled (Silicone)	▲

Sample Model Selection : 701P60P2C090J9
 * The standard specification and price are subject to change without prior notice.

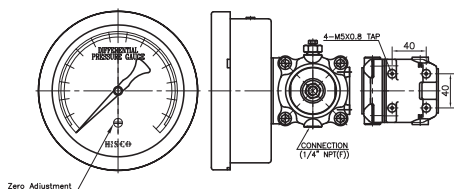
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TYPE-P

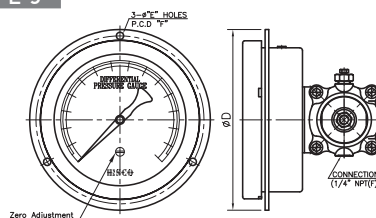


INSTRUMENT VALVE

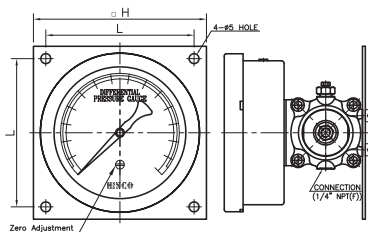
TYPE-W



TYPE-J

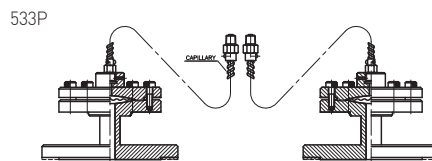
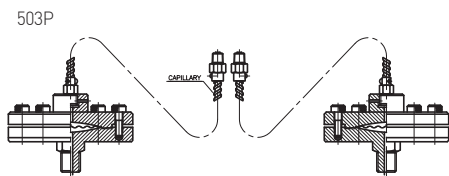


TYPE-M



TYPE-R

Low & High Pressure If greater than 50 bar please contact us.



[UNIT : mm]

Code	Dial Size	(Available Type)	A	B	D	E	F	G	H	L
40	φ100	P,W,J,M,R	114.1	95	137	5.5	124	102	120	110
60	φ150		167.9	108	186	6.5	174	153	180	160

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