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 : 5 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
· ± 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 (± 1.0% of F.S.) Calibration
· 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	▲

Code	Process Connection Size			All
	ANSI / ASME	KS / JIS	DIN	
B	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	▲
V	2 1/2"	-	-	▲
W	3"	80 A	DN 80	▲
Y	4"	100 A	DN 100	▲
X	Others			

Code	Flange Rating			All
	ANSI / ASME	KS / JIS	DIN	
1	Thread Type Process Connection		-	●
2	Class 150	10 K	PN 10	▲
3	-	-	PN 16	▲
4	Class 300	20 K	PN 25	▲
X	Others			

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
091	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	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 (± 1.0% of F.S.) Calibration	▲
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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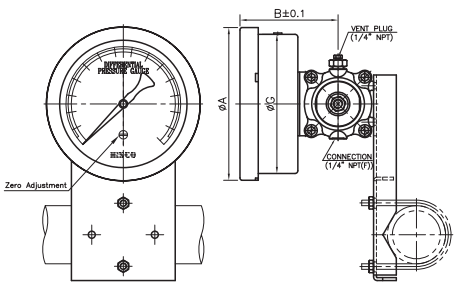
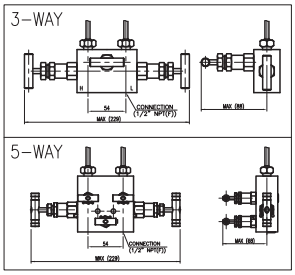
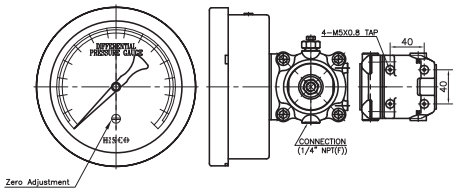
TYPE-P





CODE-J8(INSTRUMENT VALVE)

TYPE-W



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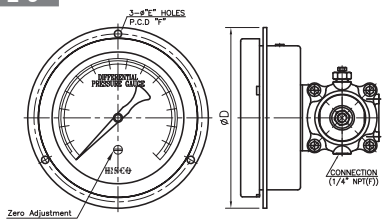

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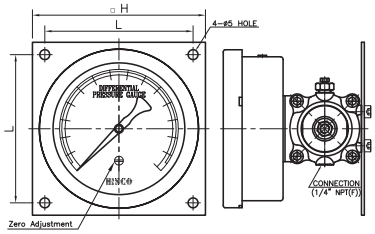
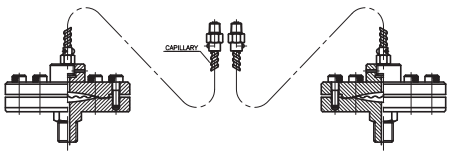


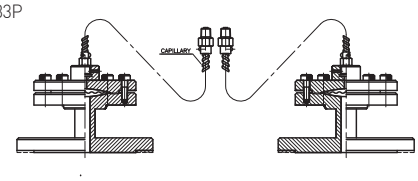
TYPE-R

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

503P



533P



(UNIT : mm)

Code	Dial Size	(Available Type)	A	B	D	E	F	G	H	L
40	ø100	P,W,J,M,R	114.1	95	137	5.5	124	102	120	110
60	ø150		167.9	108	186	6.5	174	153	180	160

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