

General Service Pressure Gauges (101P Series)

Applications

- Non-corrosive gas, air, oil and water
- Pneumatics
- Vacuum equipment
- Visual Monitoring of air and gas pressure for compressors
- Heating, ventilation, climate
- Pumps and regulators
- Medical gas cylinders
- Media not attack to brass

Pressure Limitation

- Steady : 3/4 of full scale value
(recommendation : 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : full scale value

Operating Temperature

- Ambient : -20 ~ 60°C
- Media (Fluid) : -5 ~ 60°C



Special Notes

1. This series has been approved by KS B 5305 (Korean Standard).

Standard Specification Overview

Dial Size

- 40mm (1.5"), 50mm (2"), 60mm (2.5"), 75mm (3"), 100mm (4"), 150mm (6"), 200mm (8")

Reference Accuracy

- 40mm : $\pm 3.0\%$ of Full Scale
- 50mm, 60mm, 75mm : $\pm 1.5\%$ of Full Scale
- 100mm, 150mm, 200mm : $\pm 1.5\%$ of Full Scale

Scale Ranges

- 40mm : 0 ~ 0.2 to 0 ~ 3.5 MPa
- 50mm : Vacuum, 0 ~ 0.1 to 0 ~ 5.0 MPa
- 60mm, 75mm : Vacuum, Compound & 0 ~ 0.1 to 0 ~ 25 MPa
- 100mm, 150mm : Vacuum, Compound & 0 ~ 100 MPa
- 200mm : Vacuum, Compound & 0 ~ 100 MPa

* For more information, see the ordering information table.

Standard Process Connection

- 40mm : PT ("R" in ISO) 1/8", 1/4"
- 50mm, 60mm : PT ("R" in ISO) 1/4"
- 75mm : PT ("R" in ISO) 3/8"
- 100mm : PT ("R" in ISO) 3/8", 1/2"
- 150mm, 200mm : PT ("R" in ISO) 3/8"

* No throttling screw inserted in the pressure port.

Material

- Case : Black Finished Steel
- Ring (Cover) : Black Finished Steel
- Window : Glass
- Pointer : Aluminum Alloy, Black Finished
- Connection : Brass
- Element (Bourdon Tube) : Brass
- Movement : Brass
- Dial Plate : White Aluminum with Black Graduations

Optional Extra

- Test Report by Manufacturer
- Test Report by KOLAS (ILAC-MRA)
- Polycarbonate Case & Cover (only for 60 & 100mm)
- Cleaning Service (USE NO OIL)
- Throttling Screw (Restriction Orifice)

Ordering Information for 101P Series

● = Standard Products ▲ = Available NA = Not Available

Model	Description	Case & Ring							Wetted Parts
101P	General Service Pressure Gauges	Black Finished Steel							Brass
Code	Dial Size	Accuracy							101P
15	40mm (1.5")	± 3.0% of F.S.							●
20	50mm (2")	± 1.5% of F.S.							●
25	60mm (2.5")	± 1.5% of F.S.							●
30	75mm (3")	± 1.5% of F.S.							●
40	100mm (4")	± 1.5% of F.S.							●
60	150mm (6")	± 1.5% of F.S.							●
80	200mm (8")	± 1.5% of F.S.							●
Code	Mounting Type	15	20	25	30	40	60	80	
A	Bottom Connection without Mounting Flange	●	●	●	●	●	●	●	
B	Bottom Connection with Back Mounting Flange	NA	NA	●	●	●	NA	●	
D	Center Back Connection without Mounting Flange	●	●	●	●	NA	NA	NA	
L	Lower Back Connection without Mounting Flange	NA	NA	NA	●	●	NA	NA	
F	Center Back Connection with 3-hole Front Mounting Flange	NA	●	●	NA	NA	NA	NA	
J	Lower Back Connection with 3-hole Front Mounting Flange	NA	NA	NA	●	●	NA	NA	
K	Lower Back Connection with 3 Clamp Mounting Bracket	NA	NA	NA	NA	●	NA	NA	
Code	Process Connection Style	15	20	25	30	40	60	80	
2	PT ("R" in ISO Standard)	●	●	●	●	●	●	●	
3	PF ("G" in ISO Standard)	NA	NA	NA	NA	▲	NA	NA	
5	UNF	NA	NA	●	●	NA	NA	NA	
X	Others	☞	☞	☞	☞	☞	☞	☞	
Code	Process Connection Size	15	20	25	30	40	60	80	
B	1/8"	●	▲	NA	NA	NA	NA	NA	
C	1/4"	●	●	●	NA	NA	NA	NA	
D	3/8"	NA	NA	NA	●	●	●	●	
F	1/2"	NA	NA	NA	NA	▲	NA	NA	
M	7/16"	NA	NA	●	●	NA	NA	NA	
Code	Pressure Range	15	20	25	30	40	60	80	
001	-0.1 ~ 0 MPa	NA	●	●	●	●	●	●	
002	-0.1 ~ 0.1 MPa	NA	●	●	●	●	●	●	
003	-0.1 ~ 0.2 MPa	NA	●	●	●	●	●	●	
004	-0.1 ~ 0.3 MPa	NA	●	●	●	●	●	●	
005	-0.1 ~ 0.4 MPa	NA	●	●	●	●	●	●	
006	-0.1 ~ 0.6 MPa	NA	●	●	●	●	●	●	
007	-0.1 ~ 1.0 MPa	NA	●	●	●	●	●	●	
008	-0.1 ~ 1.5 MPa	NA	●	●	●	●	●	●	
009	-0.1 ~ 2.0 MPa	NA	●	●	●	●	●	●	
111	0 ~ 0.05 MPa	NA	NA	●	●	●	NA	NA	
112	0 ~ 0.1 MPa	NA	●	●	●	●	●	●	
113	0 ~ 0.2 MPa	●	●	●	●	●	●	●	
114	0 ~ 0.3 MPa	●	●	●	●	●	●	●	

115	0 ~ 0.4 MPa	●	●	●	●	●	●	●
116	0 ~ 0.6 MPa	●	●	●	●	●	●	●
118	0 ~ 1 MPa	●	●	●	●	●	●	●
119	0 ~ 1.5 MPa	●	●	●	●	●	●	●
120	0 ~ 2 MPa	●	●	●	●	●	●	●
121	0 ~ 2.5 MPa	●	●	●	●	●	●	●
122	0 ~ 3.5 MPa	●	●	●	●	●	●	●
124	0 ~ 5 MPa	NA	●	●	●	●	●	●
126	0 ~ 7 MPa	NA	NA	●	●	●	●	●
127	0 ~ 10 MPa	NA	NA	●	●	●	●	●
128	0 ~ 15 MPa	NA	NA	●	●	●	●	●
129	0 ~ 25 MPa	NA	NA	●	●	●	●	●
130	0 ~ 35 MPa	NA	NA	NA	NA	●	●	●
132	0 ~ 50 MPa	NA	NA	NA	NA	●	●	●
134	0 ~ 70 MPa	NA	NA	NA	NA	●	●	●
135	0 ~ 100 MPa	NA	NA	NA	NA	●	●	●

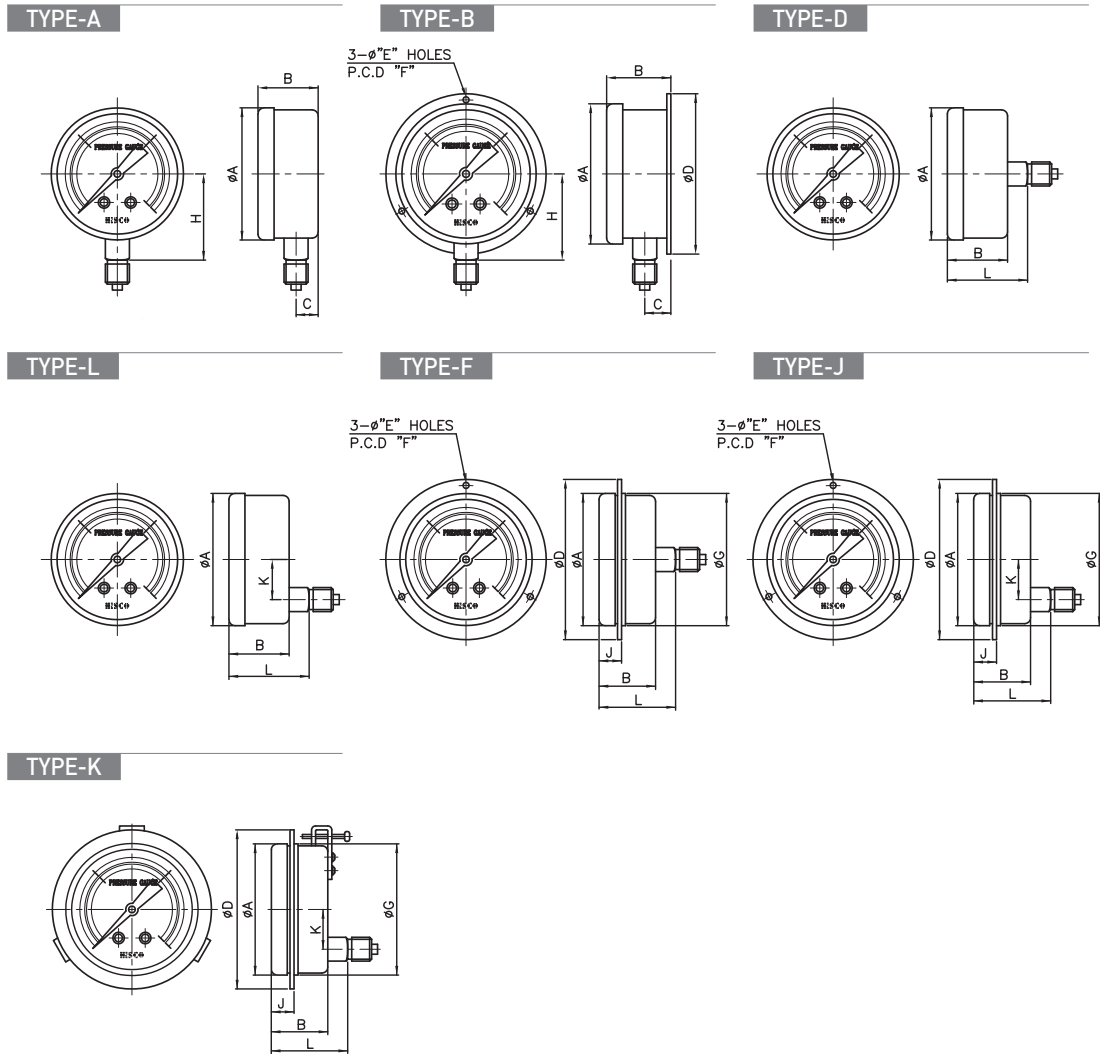
* MPa (SI Unit) is the standard dial scale but others are available upon request.

Code	Applicable Accessory Options							
J0	Not Apply							
J1	Adapter							
J2	Gauge Unions							
J3	Syphon Tubes							
J4	Pulsation Dampeners							
J5	Pressure Snubber							
J7	Gauge Savers (Gauge Protectors)							
J8	Safety Kloser							
J9	Manifold Valves							
Code	Options	15	20	25	30	40	60	80
Test Reports								
T1	Test Report by Manufacturer	▲	▲	▲	▲	▲	▲	▲
T2	Test Report by KOLAS (ILAC-MRA)	▲	▲	▲	▲	▲	▲	▲
Material Option								
P3	Polycarbonate Case & Cover (Only for 60 & 100mm)	NA	NA	▲	NA	▲	NA	NA
Other Option								
C1	Cleaning Service (USE NO OIL)	▲	▲	▲	▲	▲	▲	▲
R1	Throttling Screw (Restriction Orifice)	▲	▲	▲	▲	▲	▲	▲

Sample Model Selection : 101P40B2D120J0C1T2

* The standard specification and price are subject to change without prior notice.

General Service Pressure Gauges (101P Series)



(UNIT : mm)

Code	Dial Size	(Available Type)	A	B	C	K	D	E	F	G	H	L	J
15	ø40	A,D	44	27	8	-	-	-	-	-	29.5	29.5	-
20	ø50	A,D,F	52	31	10.5	-	68.5	4.3	61	54	35.5	40	14
25	ø60	A,B,D,F	63	33	10	20	80	4	74	63	39.5	40	14
30	ø75	A,B,D,L,J	78	33	12	22	98	4.5	87.5	76	49.5	46	15
40	ø100	A,B,L,J,K	103	31.5	12	32	130	5	115	104	64	45	14
60	ø150	A	154	43	17	-	-	-	-	-	92	-	-
80	ø200	A,B	202	38	15	-	233	6	217	-	120	-	-

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