

General Service Pressure Gauges (101P Series)

(Old GP 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

Working Pressure

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 ~ 65 °C
Media (Fluid) : -5 ~ 40 °C



Standard Specification Overview

Dial Size

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

Reference Accuracy

40mm ± 3.0% of Full Scale
50mm, 60mm & 75mm ± 1.5% of Full Scale
100mm, 150mm & 200mm ± 1.5% of Full Scale

Scale Ranges *

40mm 0 ~ 0.2 to 0 ~ 35 MPa
50mm Vacuum & 0 ~ 0.2 to 0 ~ 35 MPa
60mm & 75mm Vacuum, Compound
& 0 ~ 0.1 to 0 ~ 35 MPa
100mm & 150mm Vacuum, Compound & 0 ~ 100 MPa
200mm 0 ~ 0.2 to 0 ~ 25 MPa

* For more information, see the ordering information table.

Standard Pressure Connection

40mm PT ("R" in ISO) 1/8"
50mm & 60mm PT ("R" in ISO) 1/4"
75mm PT ("R" in ISO) 3/8"
100mm PT ("R" in ISO) 3/8" or 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 (Socket) : Brass
Element : Brass
Movement : Brass
Dial Plate : White Aluminum with Black Graduations

Degree of Protection

IP 44

Optional Extra

Code T1 Calibration Report by Manufacturer
Code T2 Calibration Report by KOLAS (ILAC-MRA)
Code P1 Painting Service for Case & Cover
Code P2 Chrome Painting Service for Connection Part
Code P3 Polycarbonate Case & Cover (only for 60 & 100mm)
Code C1 Cleaning Service (USE NO OIL)
Code R1 Throttling Screw (Restriction Orifice)

Special Notes

1. This series, excluding 40mm, has been approved by **KS B 5305** (Korean Standard).

형성히스코는 본 시리즈에 **Diaphragm Seal(격막)**을 취부하지 않습니다. 본 시리즈에 취부된 **Diaphragm Seal(격막)**은 정품이 아니므로
하자보증이 불가하며, 누수 및 폭발 위험에 노출 될 수도 있으니 주의 바랍니다.

Caution : Diaphragm Seal can NOT be installed into this series.

Ordering Information for 101P Series

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	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
U	Lower Back Connection with "U" Clamp Mounting Bracket	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)	★	★	★	★	★	★	★
X ⁽¹⁾	Others	☎	☎	☎	☎	☎	☎	☎
Code	Process Connection Size	15	20	25	30	40	60	80
B	1/8"	■	★	★	★	★	★	★
C	1/4"	NA	■	■	★	★	★	★
D	3/8"	NA	NA	NA	■	■ ⁽²⁾	■	■
F	1/2"	NA	NA	NA	NA	■ ⁽³⁾	NA	NA
Code	Pressure Range	15	20	25	30	40	60	80
MPa (kgf/cm2) - Dual Scale Plate								
001	-0.1 ~ 0 MPa (-76 cmHg ~ 0 kgf/cm ²)	NA	■	■	■	■	■	NA
002	-0.1 ~ 0.1 MPa (-76 cmHg ~ 1 kgf/cm ²)	NA	NA	■	■	■	■	NA
003	-0.1 ~ 0.2 MPa (-76 cmHg ~ 2 kgf/cm ²)	NA	NA	■	■	■	■	NA
004	-0.1 ~ 0.3 MPa (-76 cmHg ~ 3 kgf/cm ²)	NA	NA	■	■	■	■	NA
005	-0.1 ~ 0.4 MPa (-76 cmHg ~ 4 kgf/cm ²)	NA	NA	■	■	■	■	NA
006	-0.1 ~ 0.6 MPa (-76 cmHg ~ 6 kgf/cm ²)	NA	NA	■	■	■	■	NA
007	-0.1 ~ 1.0 MPa (-76 cmHg ~ 10 kgf/cm ²)	NA	NA	■	■	■	■	NA
008	-0.1 ~ 1.5 MPa (-76 cmHg ~ 15 kgf/cm ²)	NA	NA	■	■	■	■	NA
009	-0.1 ~ 2.0 MPa (-76 cmHg ~ 20 kgf/cm ²)	NA	NA	■	■	■	■	NA
111	0 ~ 0.05 MPa (0 ~ 0.5 kgf/cm ²)	NA	NA	NA	NA	■	■	NA
112	0 ~ 0.1 MPa (0 ~ 1 kgf/cm ²)	NA	■	■	■	■	■	NA
113	0 ~ 0.2 MPa (0 ~ 2 kgf/cm ²)	■	■	■	■	■	■	■
114	0 ~ 0.3 MPa (0 ~ 3 kgf/cm ²)	■	■	■	■	■	■	■
115	0 ~ 0.4 MPa (0 ~ 4 kgf/cm ²)	■	■	■	■	■	■	■
116	0 ~ 0.6 MPa (0 ~ 6 kgf/cm ²)	■	■	■	■	■	■	■
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Code	Pressure Range		15	20	25	30	40	60	80
118	0 ~ 1 MPa	(0 ~ 10 kgf/cm ²)	■	■	■	■	■	■	■
119	0 ~ 1.5 MPa	(0 ~ 15 kgf/cm ²)	■	■	■	■	■	■	■
120	0 ~ 2 MPa	(0 ~ 20 kgf/cm ²)	■	■	■	■	■	■	■
121	0 ~ 2.5 MPa	(0 ~ 25 kgf/cm ²)	■	■	■	■	■	■	■
122	0 ~ 3.5 MPa	(0 ~ 35 kgf/cm ²)	■	■	■	■	■	■	■
124	0 ~ 5 MPa	(0 ~ 50 kgf/cm ²)	★ ⁽⁴⁾	★ ⁽⁴⁾	■	■	■	■	■
126	0 ~ 7 MPa	(0 ~ 70 kgf/cm ²)	★ ⁽⁴⁾	★ ⁽⁴⁾	■	■	■	■	■
127	0 ~ 10 MPa	(0 ~ 100 kgf/cm ²)	★ ⁽⁴⁾	★ ⁽⁴⁾	■	■	■	■	■
128	0 ~ 15 MPa	(0 ~ 150 kgf/cm ²)	★ ⁽⁴⁾	★ ⁽⁴⁾	■	■	■	■	■
129	0 ~ 25 MPa	(0 ~ 250 kgf/cm ²)	★ ⁽⁴⁾	★ ⁽⁴⁾	■	■	■	■	■
130	0 ~ 35 MPa	(0 ~ 350 kgf/cm ²)	★ ⁽⁴⁾	★ ⁽⁴⁾	★ ⁽⁴⁾	★ ⁽⁴⁾	■	■	NA
132	0 ~ 50 MPa	(0 ~ 500 kgf/cm ²)	NA	NA	NA	NA	■	■	NA
134	0 ~ 70 MPa	(0 ~ 700 kgf/cm ²)	NA	NA	NA	NA	■	■	NA
135	0 ~ 100 MPa	(0 ~ 1000 kgf/cm ²)	NA	NA	NA	NA	■	■	NA
* MPa (SI Unit) and kg/cm2 is the standard dial scale but others are available upon request. (Non-standard delivery item)									
Code	Accessory Application		Code	Accessory Application					
J0	Not Apply		J1	Apply					
Code	Options		15	20	25	30	40	60	80
<u>Calibration Reports</u>									
T1	Calibration Report (Test Report) by Manufacturer		★	★	★	★	★	★	★
T2	Calibration Report (Test Report) by KOLAS (ILAC-MRA)		★	★	★	★	★	★	★
<u>Painting Service Option</u>									
P1	Painting Service for Case & Cover		★	★	★	★	★	★	★
P2	Chrome Painting Service for Connection Part		★	★	★	★	★	★	★
<u>Material Option</u>									
P3	Polycarbonate Case & Cover		NA	NA	★	NA	★	NA	NA
<u>Other Option</u>									
C1	Cleaning Service (USE NO OIL)		★	★	★	★	★	★	★
R1	Throttling Screw (Restriction Orifice)		★	★	★	★	★	★	★
101P40B2D120J0C1T2			Sample Model Selection						
Note 1 Other connection styles are available on request but specify it and the extra price applies.									
Note 2 It applies to pressure range lower than 15 MPa (150 kgf/cm2).									
Note 3 It applies to pressure range higher than 15 MPa (150 kgf/cm2).									
Note 4 Non-Standard Delivery Item									
■ = Standard Products			★ = Available			NA = Not Available			

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

Memo :