

GENERAL SERVICE PRESSURE GAUGE MODEL : P110 SERIES

WISE®

SERVICE INTENDED

P110 Series, General Service Pressure gauge,
Feature low cost and high quality and is suitable for non-corrosive fluid.
Air, Oil, Gas or Water service are the most common applications.

NOMINAL DIAMETER

40, 50, 60, 75, 100, 150, and 200mm

ACCURACY

40mm : $\pm 3.0\%$ of Full Scale

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

SCALE RANGE (MPa, kPa, bar)

40mm : 0~0.2 to 0~35 MPa

50mm : 0~0.2 to 0~100 MPa

60, 75mm : -0.1~0 to 0 ~ 25 MPa

100mm(New) : -0.1~0 to 0 ~ 35 MPa

100mm, 150mm : -0.1~0 to 0 ~ 100 MPa

200mm : -0.1~0 to 0 ~ 35 MPa

WORKING TEMPERATURE

Ambient : -20 ~ 65°C

Fluid : -5 ~ 40°C



Standard Features

PRESSURE CONNECTION

Brass

MOVEMENT

Brass

ELEMENT

40, 50mm : Brass

60, 75, 100mm(New) : $\leq 10\text{MPa}$: Brass
 $> 10\text{MPa}$: 316SS

100, 150, 200mm : $\leq 7\text{MPa}$: Brass
 $> 7\text{MPa}$: 316SS

C Type Bourdon Tube or Helical Tube

COVER

Black Finished Steel

CASE

Black Finished Steel

Black Finished Aluminium (Diameter 200mm)

DIAL

White Aluminium with
Black Graduations

WINDOW

Glass

POINTER

Aluminium alloy, Black painted

PROCESS CONNECTION

40mm : 1/8" PT, NPT & PF

50mm : 1/4", 1/8" PT, NPT & PF

60mm : 1/4" PT, NPT & PF

75, 100mm(New) : 3/8" PT, NPT & PF

100, 150 and 200mm : 1/2", 3/8" PT, NPT & PF

ORDERING INFORMATION

BASE MODEL

P110 : GENERAL SERVICE PRESSURE GAUGE

NOMINAL DIAMETER

- 0 : 40mm
- 1 : 50mm
- 2 : 60mm
- 3 : 75mm
- 4 : 100mm
- 6 : 150mm
- Z : 200mm

MOUNTING TYPE (Refer to Mounting type & Dimension)

- A : Bottom Connection, Direct, Not available with Diameter 200mm
- B : Bottom Connection, Surface, Case Mounting Plate, Not available with Diameter 40mm
- F : Center Back Connection, Direct, Not available with Diameter 100mm(OLD) and 150mm and 200mm
- G : Lower Back Connection, Direct, Only available with Diameter 100mm(OLD) and 150mm
- H : Center Back Connection, Flush, Case Center Mounting Plate, Only available with Diameter 60mm, 75mm and 100mm(New)
- J : Center Back Connection, Flush, Cover Mounting Plate, Not available with Diameter 40mm, 100mm(OLD) 150mm and 200mm
- M : Lower Back Connection, Flush, Case Center Mounting Bracket, Only available with Diameter 100mm(OLD)
- N : Lower Back Connection, Flush, Cover Mounting Plate, Only available with Diameter 100mm(OLD) and 150mm

ACCURACY

- 4 : ±1.5% of Full Scale. Not available with diameter 40mm
- 6 : ±3.0% of Full Scale

PROCESS CONNECTION

- B : 1/8", Only available with diameter 40,50mm
- C : 1/4", Only available with diameter 50,60mm
- D : 3/8", Not available with diameter 40,50,60mm
- E : 1/2", Only available with diameter 100,150,200mm

CONNECTION TYPE

- B : PF
- C : PT
- D : NPT
- Z : Other (See Note 1)

UNIT

- I : MPa
- J : kPa
- H : bar

RANGE

Refer to Pressure Unit & Range Table

DIAL COLOR

- 1 : 2 Colors
- 5 : 3 Colors, Available with Compound & Vacuum Gauges

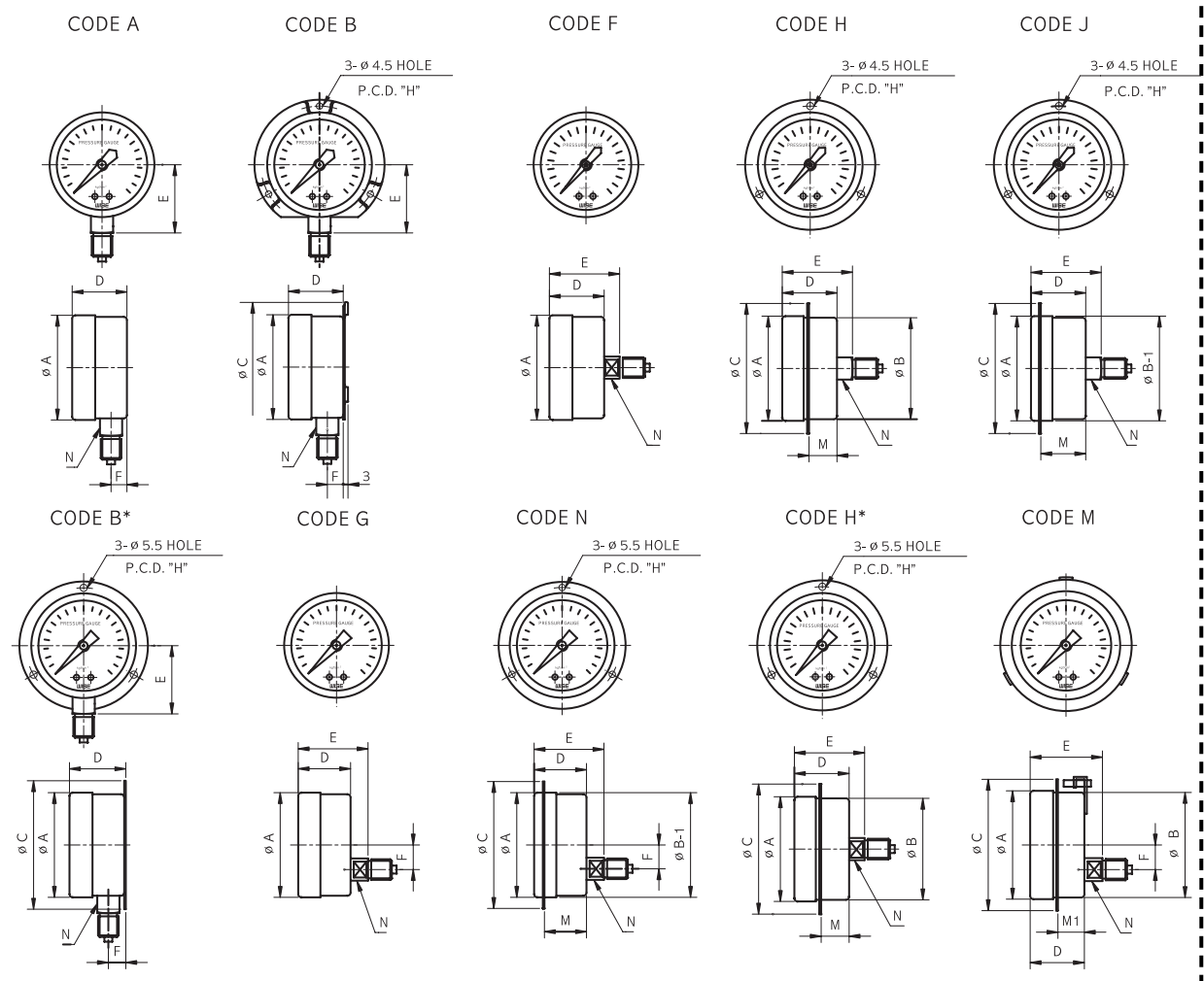
OPTIONS

- 0 : None
- 1 : Accessories

P110	0	A	6	B	C	B	041	1	0	SAMPLE MODEL NUMBER
------	---	---	---	---	---	---	-----	---	---	---------------------

Note 1, Special connection type is available such as BSP & BSPT

P110 : TYPE OF MOUNTING



* ø B-1 : Panel Cutting Size.

Dimensions (mm)

DIAL SIZE	AVAILABLE CODE	A	B	C	D	E	F	H	M	N
40	A,F	44.3			24	29	9			12
50	A,B,F	54.5			27	37	9			14
	J	54.5	54.5	70	27	37	9	62	23.5	14
60	A,B	66		82	31.5	42	11	74		14
	F,J	66	70	82	34.5	44.5		74	28	14
	H	66	65	82	34.5	44.5		74	18.8	14
75	A,B	78		100	35	52	12.7	90		17
	F,J	78	82	100	35	47		90	29.5	17
	H	78	77	100	35	47		90	19	17
100 (NEW)	A	106(103.5)			35(43.5)	64.5(75.5)	12.5(18)			17(22)
	B	106		128	36.5	64	14.5	115		17
	F,J	106	110	128	35.5	47		115	29.2	17
	H*	106	105	128	35.5	47		115	18.7	17
100 (OLD)	A	106(103.5)			35(43.5)	64.5(75.5)	12.5(18)			17(22)
	B*	103.5		128	45.5	76	19.7	115		22
	G,N	103.5	107.5	128	41.5	61.5	36	115	36	17
	M	103.5	102	128	41.5	61.5	36		14	17
150	A	153			42.5(44)	88(105)	11.5(17)			19(22)
	B	153		178	44	93	13	165		19
	G,N	153	156	178	42	61.5	36	165	35.5	17
200	B*	203		235	49	128	15.5(17.5)	220		19(22)

PRESSURE UNIT & RANGE TABLE

RANGE & CODE	UNIT & CODE			NOMINAL DIAMETER							
	H : bar	J : kPa	I : MPa	40mm	50mm	60mm	75mm	100mm (NEW)	100mm	150mm	200mm
026	-1~0	-100~0	-0.1~0	×	×	○	○	○	○	○	○
040	0~0.5	X	0~0.05	×	×	×	×	○	○	○	×
041	0~1	0~100	0~1.0	×	×	○	○	○	○	○	○
042	0~2	0~200	0~0.2	○	○	○	○	○	○	○	○
043	0~3	0~300	0~0.3	×	○	○	○	○	○	○	○
044	0~4	0~400	0~0.4	○	○	○	○	○	○	○	○
045	0~6	0~600	0~0.6	○	○	○	○	○	○	○	○
047	0~10	0~1000	0~1.0	○	○	○	○	○	○	○	○
050	0~15	X	0~1.5	○	○	○	○	○	○	○	○
051	0~20	X	0~2	○	○	○	○	○	○	○	○
052	0~25	X	0~2.5	○	○	○	○	○	○	○	○
054	0~35	X	0~3.5	○	○	○	○	○	○	○	○
055	0~50	X	0~5	×	○	○	○	○	○	○	○
057	0~70	X	0~7	×	○	○	○	○	○	○	○
058	0~100	X	0~10	×	○	○	○	○	○	○	○
059	0~150	X	0~15	×	×	○	○	○	○	○	○
062	0~250	X	0~25	×	×	○	○	○	○	○	○
064	0~350	X	0~35	×	×	×	×	○	○	○	○
066	0~500	X	0~50	×	×	×	×	×	○	○	×
068	0~700	X	0~70	×	×	×	×	×	○	○	×
070	0~1000	X	0~100	×	×	×	×	×	○	○	×
027	-1~1	-100~100	-0.1~0.1	×	×	○	○	○	○	○	×
028	-1~2	-100~200	-0.1~0.2	×	×	○	○	○	○	○	×
029	-1~3	-100~300	-0.1~0.3	×	×	○	○	○	○	○	×
030	-1~4	-100~400	-0.1~0.4	×	×	○	○	○	○	○	×
031	-1~6	-100~600	-0.1~0.6	×	×	○	○	○	○	○	×
032	-1~10	-100~1000	-0.1~1.0	×	×	○	○	○	○	○	×
033	-1~15	X	-0.1~1.5	×	×	○	○	○	○	○	×
034	-1~20	X	-0.1~2	×	×	○	○	○	○	○	×

○ : AVAILABLE × : NOT AVAILABLE