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 : ±3.0% of Full Scale

50, 60, 75, 100, 150, and 200mm : ±1.5% of Full Scale

SCALE RANGE (kgf/cm², bar, kPa, MPa)
40mm : 0~2 to 0~35kgf/cm²
50mm : 0~2 to 0~100kgf/cm²
60, 75mm : -76cmHg ~ 0 to 0 ~ 250kgf/cm²
100mm(New) : -76cmHg ~ 0 to 0 ~ 350kgf/cm²
100mm, 150mm : -76cmHg ~ 0 to 0 ~ 1000kgf/cm²
200mm : -76cmHg ~ 0 to 0 ~ 350kgf/cm²

WORKING TEMPERATURE
Ambient : -20 ~ 65˚C
Fluid : -5 ~ 40˚C

Standard Features

PRESSURE CONNECTION
Brass

ELEMENT
40, 50mm : Brass
60, 75, 100mm(New) : ≤100kgf/cm² : Brass
>100kgf/cm² : 316SS
100, 150, 200mm : ≤70kgf/cm² : Brass
>70kgf/cm² : 316SS
C Type Bourdon Tube or Helical Tube

CASE
Black Finished Steel
Black Finished Aluminium (Diameter 200mm)

WINDOW
Glass

MOVEMENT
Brass

COVER
Black Finished Steel

DIAL
White Aluminium with
Black Graduations

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
7 : 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

Refer to Pressure Unit & Range Table

RANGE

Refer to Pressure Unit & Range Table

DIAL COLOR

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

OPTIONS

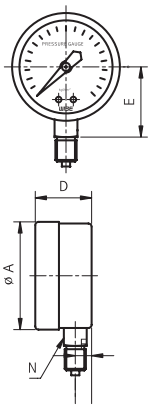
0 : None
1 : Accessories

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

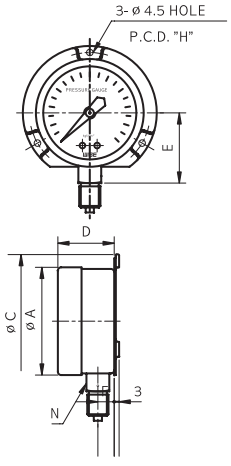
Note 1, Special connection type is available such as BSP & BSPT

P110 : TYPE OF MOUNTING

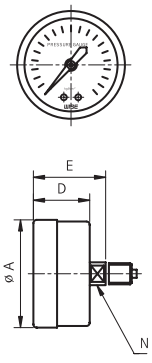
CODE A



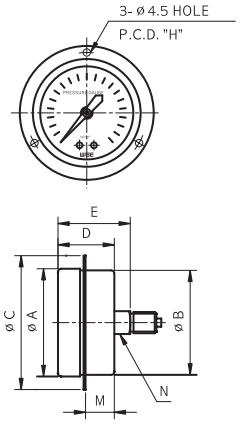
CODE B



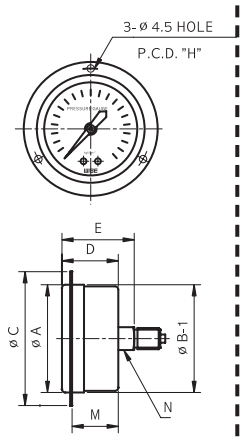
CODE F



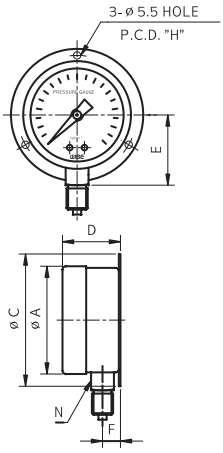
CODE H



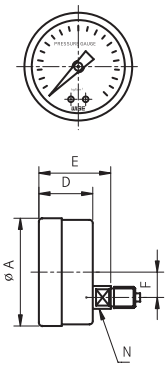
CODE J



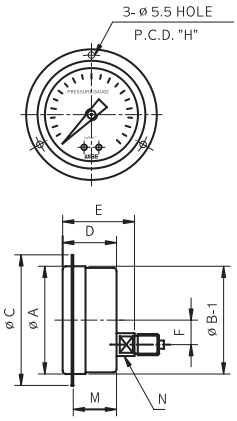
CODE B*



CODE G



CODE N



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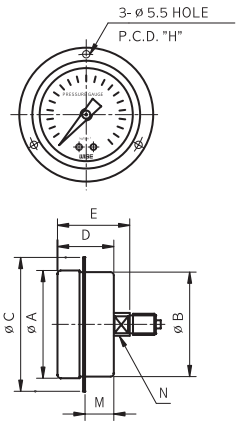
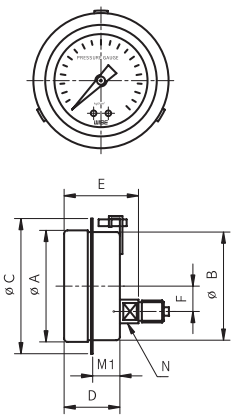


CODE M



* 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					40mm	50mm	60mm	75mm	100mm (NEW)	100mm	150mm	200mm
	C : cmHg	B : kgf/cm²	H : bar	J : kPa	I : MPa								
026	-76~0	X	-1~0	-100~0	X	×	×	○	○	○	○	○	○
040	X	0~0.5	0~0.5	X	X	×	×	×	×	○	○	○	×
041	X	0~1	0~1	0~100	X	×	×	○	○	○	○	○	○
042	X	0~2	0~2	0~200	X	○	○	○	○	○	○	○	○
043	X	0~3	0~3	0~300	X	×	○	○	○	○	○	○	○
044	X	0~4	0~4	0~400	X	○	○	○	○	○	○	○	○
045	X	0~6	0~6	0~600	X	○	○	○	○	○	○	○	○
047	X	0~10	0~10	0~1000	X	○	○	○	○	○	○	○	○
050	X	0~15	0~15	X	0~1.5	○	○	○	○	○	○	○	○
051	X	0~20	0~20	X	0~2	○	○	○	○	○	○	○	○
052	X	0~25	0~25	X	0~2.5	○	○	○	○	○	○	○	○
054	X	0~35	0~35	X	0~3.5	○	○	○	○	○	○	○	○
055	X	0~50	0~50	X	0~5	×	○	○	○	○	○	○	○
057	X	0~70	0~70	X	0~7	×	○	○	○	○	○	○	○
058	X	0~100	0~100	X	0~10	×	○	○	○	○	○	○	○
059	X	0~150	0~150	X	0~15	×	×	○	○	○	○	○	○
062	X	0~250	0~250	X	0~25	×	×	○	○	○	○	○	○
064	X	0~350	0~350	X	0~35	×	×	×	×	○	○	○	○
066	X	0~500	0~500	X	0~50	×	×	×	×	×	○	○	×
068	X	0~700	0~700	X	0~70	×	×	×	×	×	○	○	×
070	X	0~1000	0~1000	X	0~100	×	×	×	×	×	○	○	×
027	X	-76~1	-1~1	-100~100	X	×	×	○	○	○	○	○	×
028	X	-76~2	-1~2	-100~200	X	×	×	○	○	○	○	○	×
029	X	-76~3	-1~3	-100~300	X	×	×	○	○	○	○	○	×
030	X	-76~4	-1~4	-100~400	X	×	×	○	○	○	○	○	×
031	X	-76~6	-1~6	-100~600	X	×	×	○	○	○	○	○	×
032	X	-76~10	-1~10	-100~1000	X	×	×	○	○	○	○	○	×
033	X	-76~15	-1~15	X	-100~1.5	×	×	○	○	○	○	○	×
034	X	-76~20	-1~20	X	-100~2	×	×	○	○	○	○	○	×

○ : AVAILABLE × : NOT AVAILABLE