

RECEIVER GAUGE MODEL : P228 SERIES

WISE[®]

SERVICE INTENDED

The P228 Series are designed to meet general requirements of the process industry and provide remote or local indication.

NOMINAL DIAMETER

100 and 160mm

ACCURACY

±1.0% of Full Scale

SCALE RANGE

0~10 Square Root Scale

0~100% Linear Scale

WORKING PRESSURE

Steady : 75% of Full Scale

Over Range Protection : 130% of Full Scale

WORKING TEMPERATURE

Ambient : -20 ~ 65°C

Fluid : -20 ~ 80°C

DEGREE OF PROTECTION

IP65



Standard Features

PRESSURE CONNECTION

Stainless Steel (316SS)

ELEMENT

Stainless Steel (316SS)

C Type Bourdon Tube

CASE

Stainless Steel (304SS)

WINDOW

Tempered Safety Glass

COVER

Stainless Steel (304SS)

Bayonet Type

MOVEMENT

Stainless Steel

DIAL

White Aluminium with Black Graduations

POINTER

Aluminium alloy, Black painted

PROCESS CONNECTION

1/4", 3/8", 1/2", PT, NPT & PF, 1/4"PT(F), 1/4"NPT(F)

PROCESS INPUT

0.2 ~ 1kgf/cm² (3 ~ 15 psi)

ORDERING INFORMATION

BASE MODEL

P228 : RECEIVER GAUGE

NOMINAL DIAMETER

- 4 : 100mm
- 6 : 160mm

MOUNTING TYPE (Refer to Mounting type & Dimension)

- A : Bottom Connection, Direct
- B : Bottom Connection, Surface, Case Mounting Plate
- G : Lower Back Connection, Direct
- L : Lower Back Connection, Surface, Case Mounting Plate
- M : Lower Back Connection, Flush, Case Center Mounting Bracket, Only available with diameter 100mm
- N : Lower Back Connection, Flush, Cover Mounting Plate
- W : Lower Back Connection, Flush, Cover Mounting Bracket, Only available with diameter 100mm

ACCURACY

- 3 : ±1.0% of Full Scale

CONNECTION

- C : 1/4"
- D : 3/8"
- E : 1/2"

CONNECTION TYPE

- B : PF
- C : PT
- D : NPT
- Z : PT.F, Only Available with Connection 1/4"

SCALE

- X : Square Root
- W : % Linear

RANGE

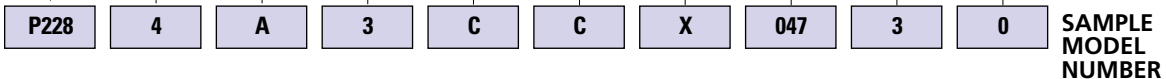
- 047 : 0 ~10, Square Root Scale Only
- 058 : 0 ~100, Linear Scale Only

DIAL COLOR

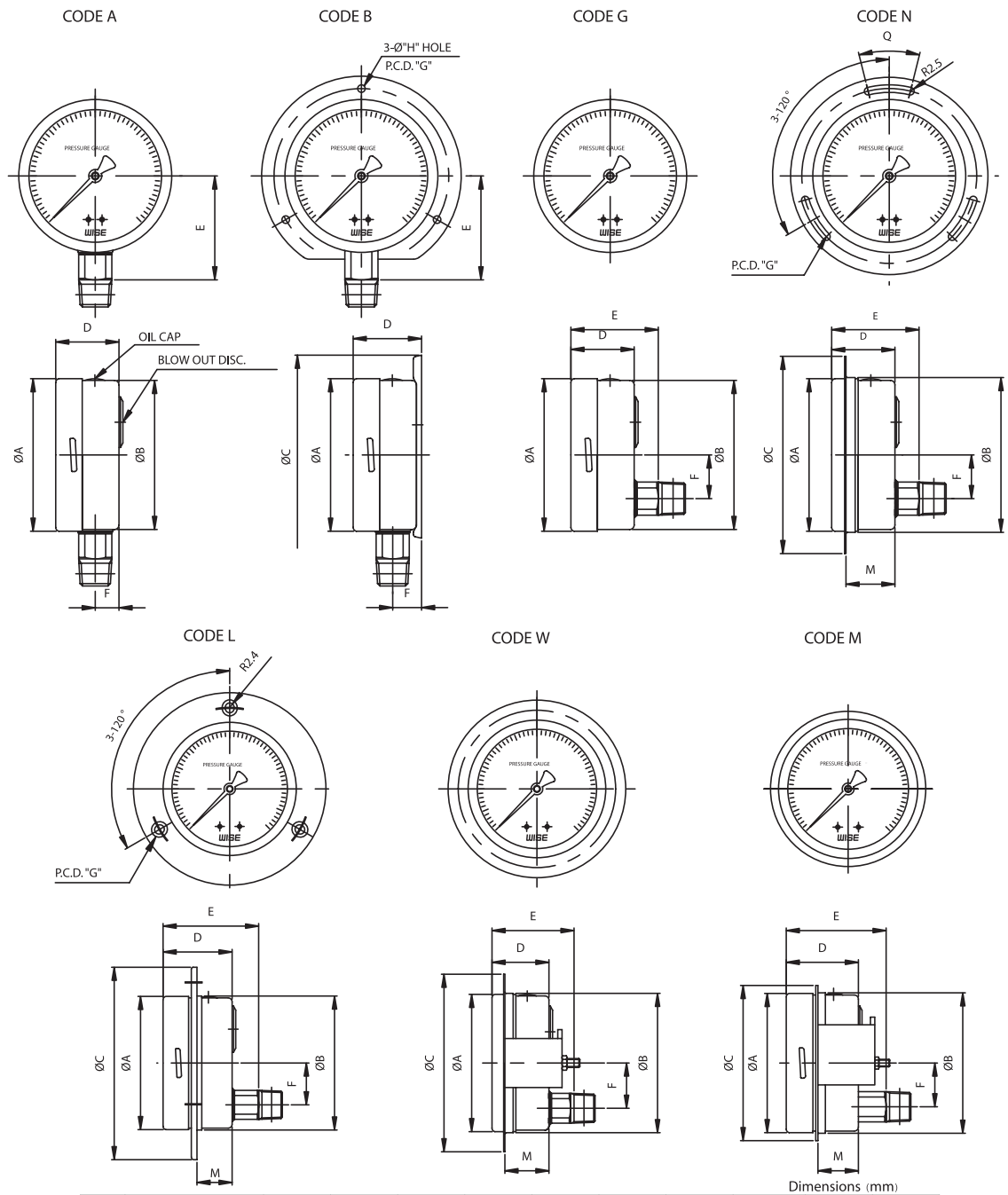
- 3 : 2 Colors
- Z : 3 Colors

OPTIONS

- 0 : None
- 1 : Accessories



P228 : TYPE OF MOUNTING



Dimensions (mm)

DIAL SIZE	AVAILABLE CODE	A	B	C	D	E	F	M	G	H	Q
100	A	101.3	99		50	65	16				
	B	101.3		133	54.4	65	19.4		116	5	
	G	101.3	99		50	65	29				
	N	101.3	103.1	130.5	50	65	29	45	116		28
	L	101.3	100.4	132	50	65	29	27.7	115~116		
	W	101.3	103.1	130.5	50	65	29	45			
	M	101.3	101	107.5	50	65	29	29.5			
160	A	160.6	159		52.5	94	15.8				
	B	160.6		196	56	94	19.3		178	5.8	
	G	160.6	159		52.5	67.5	29				
	N	160.6	162.5	196	52.5	67.5	29	43	178		20
	L	160.6	162	192	52.5	67.5	29	28	175.5~176.5		
	W	160.6	162.5	172	52.5	67.5	29	47.5			
	M	160.6	161.5	172	52.5	67.5	29	30.8			

CONVERSION TABLE

PRESSURE CONVERSION CHART								
PSI	ATM	kg/cm ²	in.H ₂ O	mmHg	in.Hg	kPa	Bar	mmH ₂ O
1	0.068046	0.070307	27.7276	51.715	2.03602	6.895	0.06895	704.28104
14.696	1	1.0332	407.484	760	29.921	101.325	1.01325	10350.0936
14.2233	0.96784	1	394.38	735.559	28.959	98.096	0.98067	10000
0.036092	0.002454	0.00253	1	1.8651	0.07343	0.249	0.00249	25.4
0.019336	0.001315	0.001359	0.53616	1	0.03937	0.1333	0.001333	13.618464
0.491154	0.0033421	0.03453	13.6185	25.4	1	3.3864	0.033864	345.9099
0.145	0.00987	0.010197	4.0186	7.5006	0.2953	1	0.01	102.07244
14.5038	0.98692	1.01972	402.156	750.062	29.53	100	1	10214.7624
0.00142	0.000097	0.0001	0.03937	0.0734	0.0029	0.0098	0.000098	1

VOLUME CONVERSION CHART							
GALLON (U.S)	CUBIC FEET	CUBIC INCHES	BARRELS (OIL)	CUBIC CM	CUBIC METER	LITER	IMP. GALLON
1	0.1337	231	0.02381	3785	0.003785	3.785	0.8327
7.481	1	1728	0.1781	28320	0.02832	28.32	6.229
0.004329	0.000578	1	0.000103	16.39	0.000016	0.01639	0.003605
42	5.615	9702	1	159000	0.159	158.94	34.97
0.000264	0.000035	0.06102	0.000006	1	0.000001	0.001	0.00022
264.17	35.3144	61023	6.2906	1000000	1	1000	220.1
0.264	0.0353	61.03	0.0629	1000	0.001	1	0.22
1.201	0.1606	277.4	0.0286	4546	0.004546	4.546	1

MASS CONVERSION CHART							
lb.	oz.	kg	gm	gal H ₂ O (32F)	long ton	metric tonne	ton
1	16	0.4536	453.6	0.1198	0.000446	0.000453	0.0005
0.0625	1	0.02835	28.35	0.00749	0.000027	0.000028	0.000031
2.205	35.27	1	1000	0.2642	0.009839	0.001	0.001102
0.002205	0.03527	0.001	1	0.000264	0.000000	0.000001	0.000001
8.345	133.5	3.785	3785	1	0.003726	0.003786	0.004171
2240	35840	1016.4	1016363	268.352	1	1.016	1.12
2204.6	35273	1000	1000000	264.11	0.9842	1	1.1023
2000	32000	907.03	909090.9	239.7	0.892857	0.907194	1

DENSITY CONVERSION CHART			
lb/ft ³	gm/cm ³	kg/m ³	lb/in ³
1	0.016018	16.0184	0.000578
62.43	1	1000	0.03613
0.06243	0.001	1	0.000036
1728	27.68	27679.8	1