

Receiver gauge

Model : P228 series

Spec. sheet no. **PD02-03**

Service intended

P228 series are designed to meet the general requirements of a process industry, and it could provide a remote or a local indication.



Nominal diameter

100 and 160 mm

Accuracy

±1.0% of full scale

Scale range (MPa, kPa, bar)

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 : -40 ~ 65°C

Fluid : Max. 200°C

Degree of protection

EN60529/IEC529/IP65

Temperature effect

Accuracy at temperature above and below the reference temperature (20°C) will be effected by approximately ±0.4% per 10°C of full scale



Standard features

Pressure connection

Stainless steel (316SS)

Movement

Stainless steel

Element

Stainless steel (316SS)

C type bourdon tube

Dial

White aluminium with black graduations

Case

Stainless steel (304SS)

Pointer

Black painted aluminium alloy

Cover

Stainless steel (304SS)

Process connection

1/4", 3/8", 1/2" PT, NPT and PF

1/4" PT(F), 1/4" NPT(F)

Window

Safety glass

Process input

0.02 ~ 0.1 MPa

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1. Base model**P228** Receiver gauge**2. Nominal diameter (mm)**

4 100
6 160

3. Type of mounting

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
N Lower back connection, flush, cover mounting plate
W Lower back connection, flush, cover mounting bracket

4. Accuracy**3** ±1.0% of full scale**5. Process connection**

C ¼"
D ⅜"
E ½"

6. Connection type

B PF
C PT
D NPT
Z PT(F)
Y NPT(F), only available with connection ¼"

7. Process input

X 0.02 ~ 0.1MPa
W 0.2 ~ 1 kgf/cm²
Y 3 ~ 15 psi

8. Range

398 0 ~10, square root scale
399 0 ~100, linear scale

9. Dial color

3 2 colors
7 3 colors

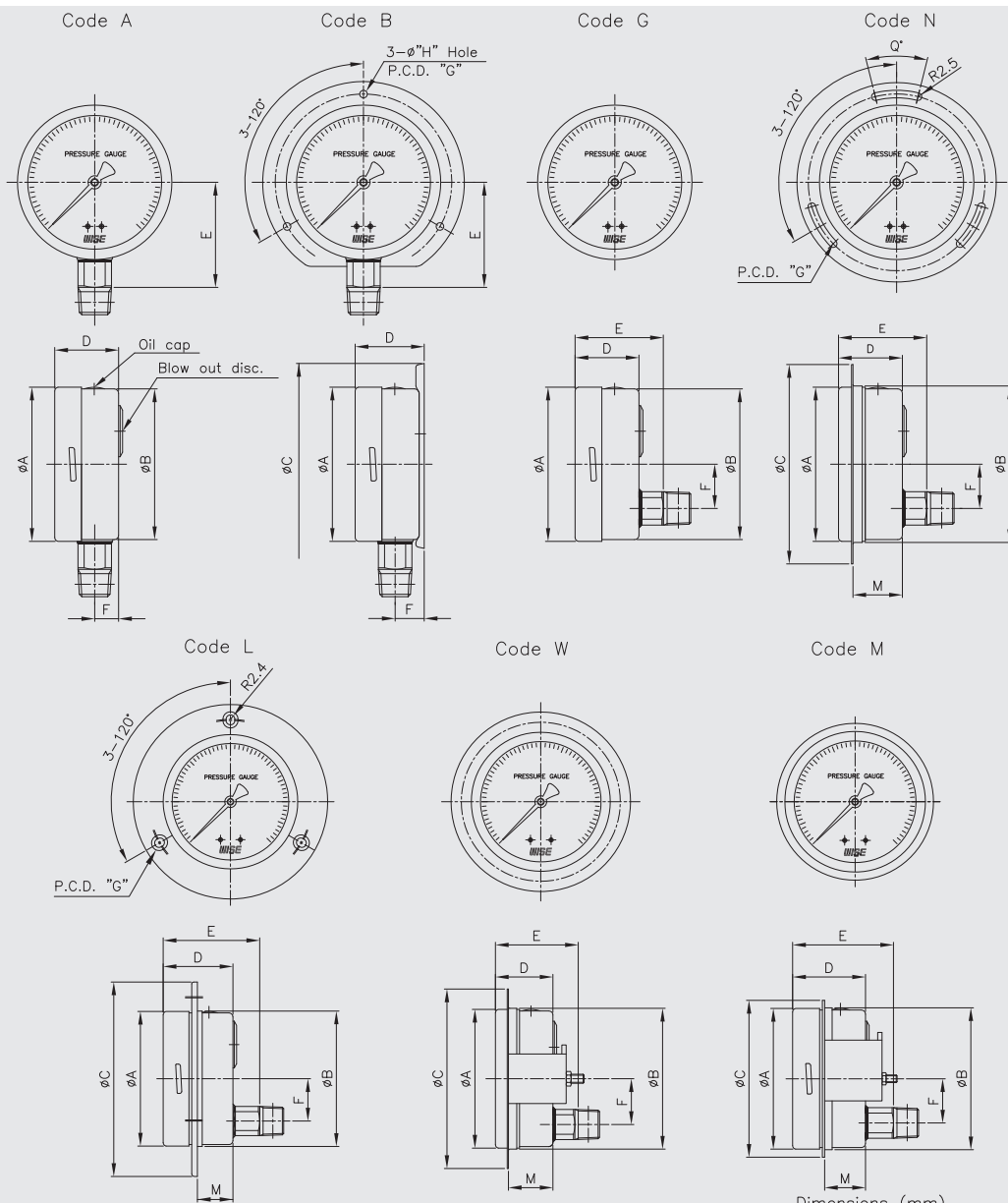
10. Option

0 None
1 Accessories

1	2	3	4	5	6	7	8	9	10
P228	4	A	3	E	D	W	398	3	0

Sample
ordering code

P228 : Type of mounting



Dimensions (mm)

Dial size	Available code	A	B	C	D±2	E±2	F±1	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	19.4		178	5.8	
	G	160.6	159		52.5	67.5	29				
	N	160.6	164	196	52.5	67.5	29	47.5	178		18
	L	160.6	162	192	52.5	67.5	29	28	175.5~176.5		
	W	160.6	164	172	52.5	67.5	29	47.5			
	M	160.6	162	172	52.5	67.5	29	30.8			

Conversion table

Pressure conversion chart

psi	atm	kgf/cm²	inH₂O	mmHg	inHg	kPa	bar	mmH₂O
1	0.068046	0.070307	27.7276	51.715	2.03602	6.835	0.06895	704.28104
14.696	1	1.0332	407.484	760	29.921	101.325	1.01325	10,350.0936
14.2233	0.96784	1	394.38	735.559	28.959	98.096	0.98067	10,000
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	10,214.7624
0.00142	0.000097	0.0001	0.03937	0.0734	0.0029	0.0098	0.000098	1

Memo