

Bourdon tube pressure gauge

Model : P112 series

Spec. sheet no. PD0-03

Service intended

P112 series are designed to withstand the shock, the vibration and the pulsation which could be generated from freon gas service.

EAC

Nominal diameter

60 and 75 mm

Accuracy

±1.5 % of full scale

Scale range (MPa, kPa, bar)

60mm : -0.1 ~ 0.2, 0.4, 1.0, 1.5, 2.0 MPa

0 ~ 2.5, 0 ~ 3.5 MPa

75mm : -0.1 ~ 0.2, 0.4, 1.5 MPa

0 ~ 3.5 MPa



Working pressure

Steady : 75 % of full scale

Over range protection : 130 % of full scale

Working temperature

Ambient : -20 ~ 60 °C

Fluid : Max. 60 °C

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

Brass

Movement

Brass

Element

Brass

C type bourdon tube

Dial

White aluminium with black graduations

Case

Black finished steel

Pointer

Black painted aluminium alloy

Window

Polycarbonate (60 mm)

Glass (Only 75 mm)

Process connection

¼" UNF

¼" PT, NPT and PF

⅜" PT, NPT and PF (Only 75 mm)

WISE[®]

| P112_01

1. Base model

P112 Bourdon tube pressure gauge

2. Nominal diameter (mm)

- 2 60
- 3 75

3. Type of mounting

- B** Bottom connection, surface, case mounting plate
- H** Center back connection, flush, case center mounting plate

4. Accuracy

- 4 ±1.5 % of full scale

5. Process connection

- C** 1/4"
- D** 3/8", Only 75 mm
- P** 7/16" UNF

6. Connection type

- B** PF
- C** PT
- D** NPT
- E** UNF

7. Unit

- H** bar
- I** MPa
- J** kPa

8. Range (MPa)

- 028** -0.1 ~ 0.2
- 030** -0.1 ~ 0.4
- 032** -0.1 ~ 1
- 033** -0.1 ~ 1.5
- 034** -0.1 ~ 2
- 052** 0 ~ 2.5
- 054** 0 ~ 3.5

9. Dial color

- 1 2 colors
- 5 3 colors

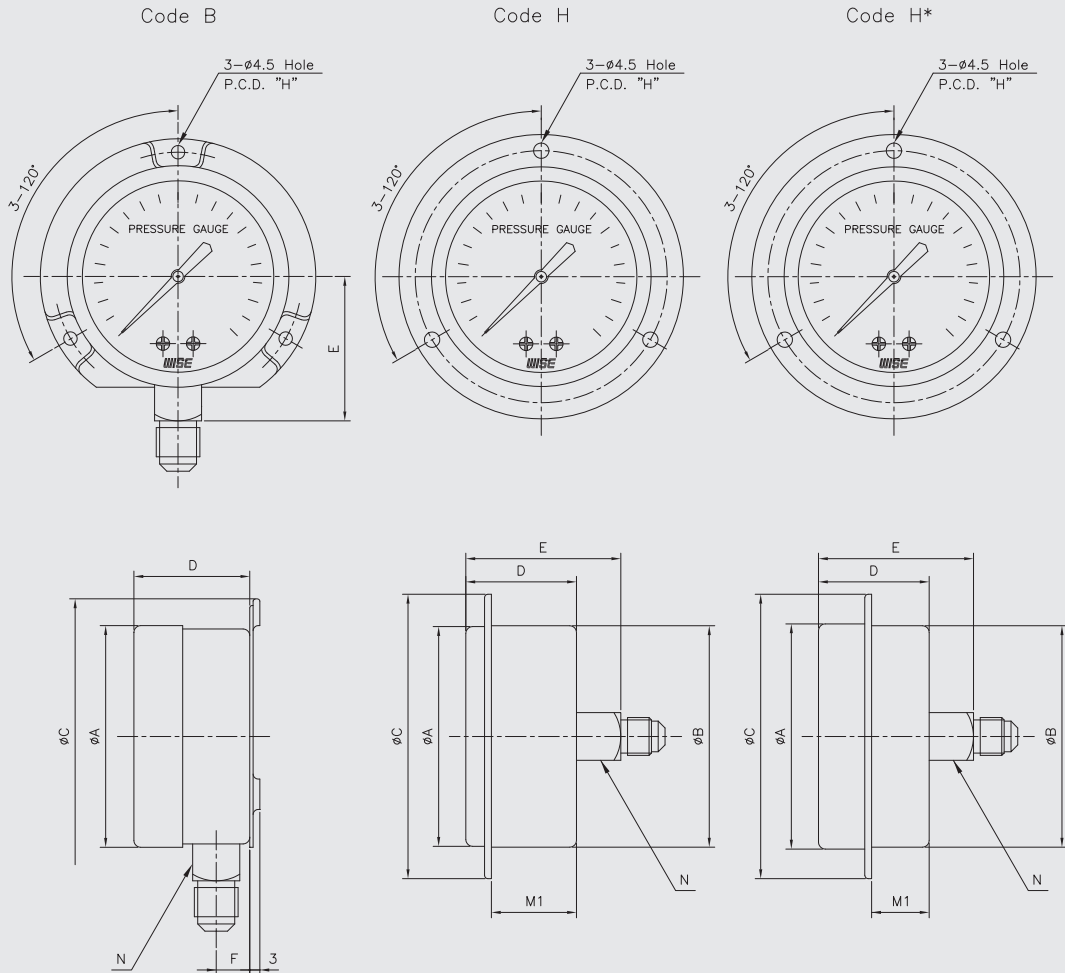
10. Option

- 0 None
- 1 Accessories

1	2	3	4	5	6	7	8	9	10
P112	2	H	4	P	E	I	033	5	0

Sample
ordering code

P112 : Type of mounting



Dimensions (mm)

Dial size	Available code	A	B	C	D±2	E±2	F±1	H	M1	N
60	B	66		82	35.5	42	11	74		14
	H	66	65	83.5	34.5	44.5		74	27	14
75	B	78		100	34.7	52	12.7	90		17
	H*	78	77	100	34.7	46.7		90	19	17

Conversion table

Pressure conversion chart

psi	atm	kgf/cm ²	inH ₂ O	mmHg	inHg	kPa	bar	mmH ₂ O
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