

Heavy duty service pressure gauge

Model : P163 series

Spec. sheet no. PD01-06

Service intended

P163 series are designed to withstand the shock, the vibration, and the pulsation which could be generated from heavy duty services.



Nominal diameter

80 mm

Accuracy

±1.0% of full scale

Scale range (MPa, kPa, bar)

-0.1 ~ 0 to 0 ~ 6 MPa

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

Element

Brass

Case

Bronze

Cover

Black finished bronze

Window

Laminated safety glass

Movement

304SS

Dampers vibration and pulsation

Dial

White aluminium with black graduations

Pointer

Black painted aluminium alloy

Process connection

1/8" PT, NPT and PF

1/4" PT, NPT and PF

3/8" PT, NPT and PF

M12 x 1.5

WISE[®]

1. Base model

P163 Heavy duty service pressure gauge

2. Nominal diameter (mm)

3 80

3. Type of mounting

J Center back connection, flush, cover mounting plate

4. Accuracy

3 ±1.0% of full scale

5. Process connection

B 1/8"

C 1/4"

D 3/8"

Z M12 x 1.5

6. Connection type

B PF

C PT

D NPT

Z Other

7. Unit

H bar

I MPa

J kPa

8. Range

XXX Refer to pressure unit and range table

9. Dial color

1 2 colors

2 3 colors

10. Option

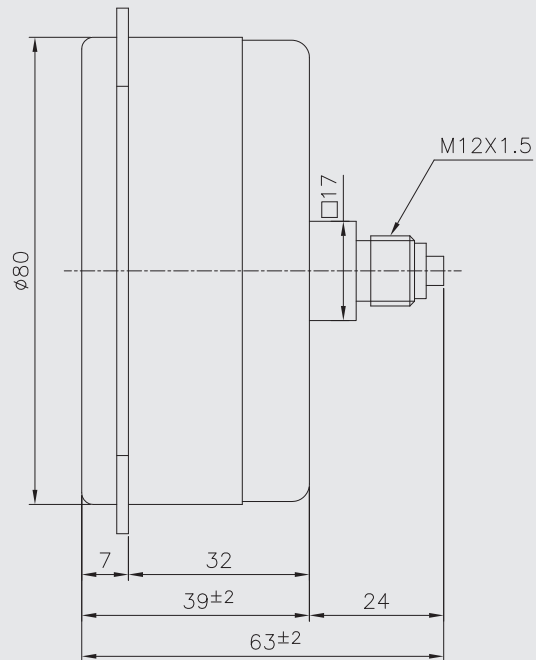
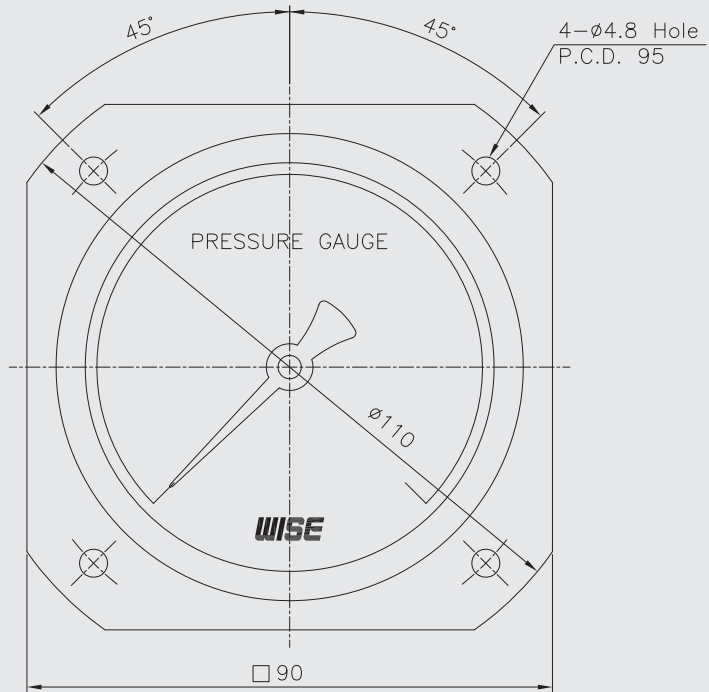
0 None

1 Accessories

| | | | | | | | | | |
|-------------|----------|----------|----------|----------|----------|----------|------------|----------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| P163 | 3 | J | 3 | C | D | H | XXX | 2 | 0 |

Sample
ordering code

P163 : Type of mounting



Pressure unit and range table

| Range and code | Unit and code | | | Nominal diameter |
|----------------|---------------|------------|---------------|------------------|
| | H : bar | I : MPa | J : kPa | 80 mm |
| 134 | 0 ~ 2 | 0 ~ 0.2 | 0 ~ 200 | O |
| 043 | 0 ~ 3 | 0 ~ 0.3 | 0 ~ 300 | O |
| 044 | 0 ~ 4 | 0 ~ 0.4 | 0 ~ 400 | O |
| 045 | 0 ~ 6 | 0 ~ 0.6 | 0 ~ 600 | O |
| 047 | 0 ~ 10 | 0 ~ 1 | 0 ~ 1,000 | O |
| 050 | 0 ~ 15 | 0 ~ 1.5 | X | O |
| 143 | 0 ~ 16 | 0 ~ 1.6 | X | O |
| 051 | 0 ~ 20 | 0 ~ 2 | X | O |
| 052 | 0 ~ 25 | 0 ~ 2.5 | X | O |
| 054 | 0 ~ 35 | 0 ~ 3.5 | X | O |
| 055 | 0 ~ 50 | 0 ~ 5 | X | O |
| 056 | 0 ~ 60 | 0 ~ 6 | X | O |
| 029 | -1 ~ 3 | -0.1 ~ 0.3 | -100 ~ 300 | O |
| 030 | -1 ~ 4 | -0.1 ~ 0.4 | -100 ~ 400 | O |
| 010 | -1 ~ 5 | -0.1 ~ 0.5 | -100 ~ 500 | O |
| 031 | -1 ~ 6 | -0.1 ~ 0.6 | -100 ~ 600 | O |
| 032 | -1 ~ 10 | -0.1 ~ 1 | -100 ~ 1,000 | O |
| 033 | -1 ~ 15 | -0.1 ~ 1.5 | -100 ~ 1.5MPa | O |
| 034 | -1 ~ 20 | -0.1 ~ 2 | -100 ~ 2MPa | O |

O : Available X : Not available