Euro gauge
Industrial service pressure gauge
Model : P252 series

Spec. sheet no. PD02-07

Service intended
P252 series are suitable for a corrosive environment. Typical application includes: Chemical, petro-chemical, refining process, power generation, marine and foods industry. Its stainless case and cover have a good appearance and the excellent proof against corrosive and chemical attack.

Nominal diameter
63, 80, 100 and 160 mm

Accuracy
P2522 (63 mm) and P2523 (80 mm) : ±1.6 % of full scale
P2524 (100 mm) and P2526 (160 mm) : ±0.5 % of full scale
±1.0 % of full scale

Scale range (MPa, kPa, bar)
63 and 80 mm : -0.1 ~ 0 to 0 ~ 100 MPa
100 and 160 mm : -0.1 ~ 0 to 0 ~ 200 MPa

Working pressure
Steady : 75 % of full scale (63 and 80 mm)
100 % of full scale (100 and 160 mm)
Over range protection : 130 % of full scale

Working temperature
Ambient : -40 ~ 65 ℃
Fluid : Max. 200 ℃

Degree of protection
EN60529/IEC529/IP67
EN60529/IEC529/IP66

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



Standard features

Pressure connection
Stainless steel (316SS)

Element
Stainless steel (316SS),
Model : P2524 (100 mm) and P2526 (160 mm)
<10 MPa : C type bourdon tube
≥10 MPa : Helical type bourdon tube
Model : P2522 (63 mm) and P2523 (80 mm)
<6 MPa : C type bourdon tube
≥6 MPa : Helical type bourdon tube

Blowout protection
Back, Rubber disc for 80, 100 and 160 mm
Top, Rubber disc for 63 mm

Case
Stainless steel (304SS)

Cover
Stainless steel (304SS)
Bayonet type

Window
Laminated safety glass

Movement
Stainless steel

Dial
White aluminium with black graduations

Pointer
Black painted aluminium alloy

Process connection
63 mm : ⅛", ¼" PT, NPT and PF
80 mm : ¼", ⅜" PT, NPT and PF
100 and 160 mm : ¼", ⅜", ½" PT, NPT and PF

Certificates
Pressure equipment directive (2014/68/EU) Annex III Module H
ATEX Ex II GD c IIc TX

Option
Zero adjustable pointer
(Only available with diameter 100 and 160 mm)
Zero adjustment (External) : 100 and 160 mm
Pressure connection and element : Monel
(Only available with diameter 100 and 160 mm)
Maximum Pointer
(Not applicable to under 3 bar, Only avarable with diameter 100 mm)

Main order — Ordering information

1. Base model

P252 Industrial service pressure gauge

2. Nominal diameter (mm)

2 63
3 80
4 100
6 160

3. Type of mounting

A Bottom connection, direct
B Bottom connection, surface, case mounting plate
C Bottom connection, flush, cover mounting plate
F Center back connection, direct, only available with diameter 63 mm
G Lower back connection, direct
H Center back connection, flush, case center mounting plate, only available with diameter 63 mm
I Center back connection, flush, case center mounting plate with bracket only available with diameter 63 mm
J Center back connection, flush, cover mounting plate, only available with diameter 63 mm
L Lower back connection, flush, case center mounting plate
M Lower back connection, flush, case center mounting bracket
N Lower back connection, flush, cover mounting plate
V Center back connection, flush, cover mounting bracket, only available with diameter 63 mm
W Lower back connection, flush, cover mounting bracket

4. Accuracy

2 ±0.5 % of full scale, only available with diameter 100 and 160 mm, not available with range 0.4 and 0.5 bar
3 ±1.0 % of full scale, not available with diameter 63 and 80 mm
4 ±1.6 % of full scale, only available with diameter 63 and 80 mm

5. Process connection

B ⅛"
C ¼"
D ⅜", not available with diameter 63 mm
E ½", not available with diameter 63 and 80 mm

6. Connection type

B PF
C PT
D NPT
F BSPT
G BSP (G)
Z Other

7. Unit

H bar
I MPa
J kPa
Z Other

8. Range

XXX Refer to pressure unit and range table

9. Pressure connection material and dial color

3 316SS and 2 colors
4 316L SS and 2 colors
7 316SS and 3 colors
8 316L SS and 3 colors
Z Monel (Only available with diameter 100 and 160 mm)

10. Option

0 None
1 Accessories

11. Adjustable pointer

0 None
1 Zero adjustable pointer
2 External zero adjustment

Sample ordering code

1	2	3	4	5	6	7	8	9	10	11
P252	**4**	**A**	**3**	**E**	**C**	**H**	**XXX**	**3**	**0**	**1**

© WISE Control Inc. All rights reserved. ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.