

Differential pressure gauge

Model: P620, P630 series

Spec. sheet no. PD06-01

Service intended

P620 and P630 series are designed to measure differential pressure from 1 kPa to 1.5 MPa at Max. working pressure up to 5 and 25 MPa. A set of stainless steel bellows mounted on a force balance allows direct reading of the actual differential pressure.



Nominal diameter

100 and 160 mm

Accuracy

±1.0 % of full scale
±1.6 % of full scale

Scale range (MPa, kPa, bar)

0 ~ 1 kPa to 0 ~ 50 kPa
0 ~ 0.1 MPa to 0 ~ 1.5 MPa

Max. Working pressure (Static pressure)

P620 : 5 MPa
P630 : 25 MPa

Working temperature

Ambient : -20 ~ 65 °C (With Glycerin filling)
-40 ~ 65 °C (With Silicone filling)

Fluid : Max. 100 °C

Degree of protection

EN60529/IEC529/IP67

Temperature effect

Accuracy at temperature above and below the reference temperature (20 °C) will be effected by approximately ±0.5 % per 10 °C of full scale



Standard features

Pressure connection

Stainless steel (316SS)

Pointer

Black painted aluminium alloy

Element

Bellows
Stainless steel (316L SS)

Process connection

1/4" NPT(F)
1/2" NPT(F) at 3-way and 5-way manifold valve
1/2" NPT(M), not available with manifold valve

Case

Stainless steel (304SS)

Standard accessories

Mounting bracket for 2" pipe
mounting with silver gray finished steel

Cover

Stainless steel (304SS)
Bayonet type

Certificates

ATEX II 2G Ex h IIC T6...T1 Gb
ATEX II 2D Ex h IIIC T85°C...T450°C Db

Window

Safety glass

Dial

White aluminium with black graduations

Option

- Remote seal
- Mounting bracket with 316SS for 2" pipe mounting
- 3-way manifold valve (316SS, Monel)
- 5-way manifold valve (316SS, Monel)

WISE®

Main order

Ordering information

1. Base model

P620 Differential pressure gauge (Max.working pressure : 5 MPa)
P630 Differential pressure gauge (Max.working pressure : 25 MPa)

2. Nominal diameter (mm)

4 100
6 160

3. Type of mounting

D Bottom connection, mounting bracket for 2" pipe
L Bottom connection, flush, case center mounting plate

4. Accuracy

3 $\pm 1.0\%$ of full scale
4 $\pm 1.6\%$ of full scale

5. Process connection

C $\frac{1}{4}$ " NPT(F)
E $\frac{1}{2}$ " NPT(F), only at 3-way and 5-way manifold valve
E1 $\frac{1}{2}$ " NPT(M), not available with manifold valve

6. Mounting bracket

D Standard bracket
E 304SS mounting bracket
F 316SS mounting bracket
W Wall mounting bracket (316SS)
N None

7. Unit

H bar
I MPa
J kPa
S mbar

8. Range

041 0 ~ 0.1 MPa
042 0 ~ 0.2 MPa
043 0 ~ 0.3 MPa
044 0 ~ 0.4 MPa
045 0 ~ 0.6 MPa
047 0 ~ 1 MPa
050 0 ~ 1.5 MPa
457 0 ~ 1 kPa, not available with remote seal type
460 0 ~ 2 kPa, not available with remote seal type
462 0 ~ 3 kPa, not available with remote seal type
464 0 ~ 4 kPa, not available with remote seal type
465 0 ~ 5 kPa, not available with remote seal type
469 0 ~ 10 kPa
437 0 ~ 20 kPa
518 0 ~ 30 kPa
040 0 ~ 50 kPa

9. Dial color

3 2 colors

10. Option

0 Standard (2" mounting bracket)
1 Accessories (3-way or 5-way manifold valve)
2 Standard and glycerin filling
3 Manifold valve and glycerin filling
6 Standard and silicone filling
7 Manifold valve and silicone filling

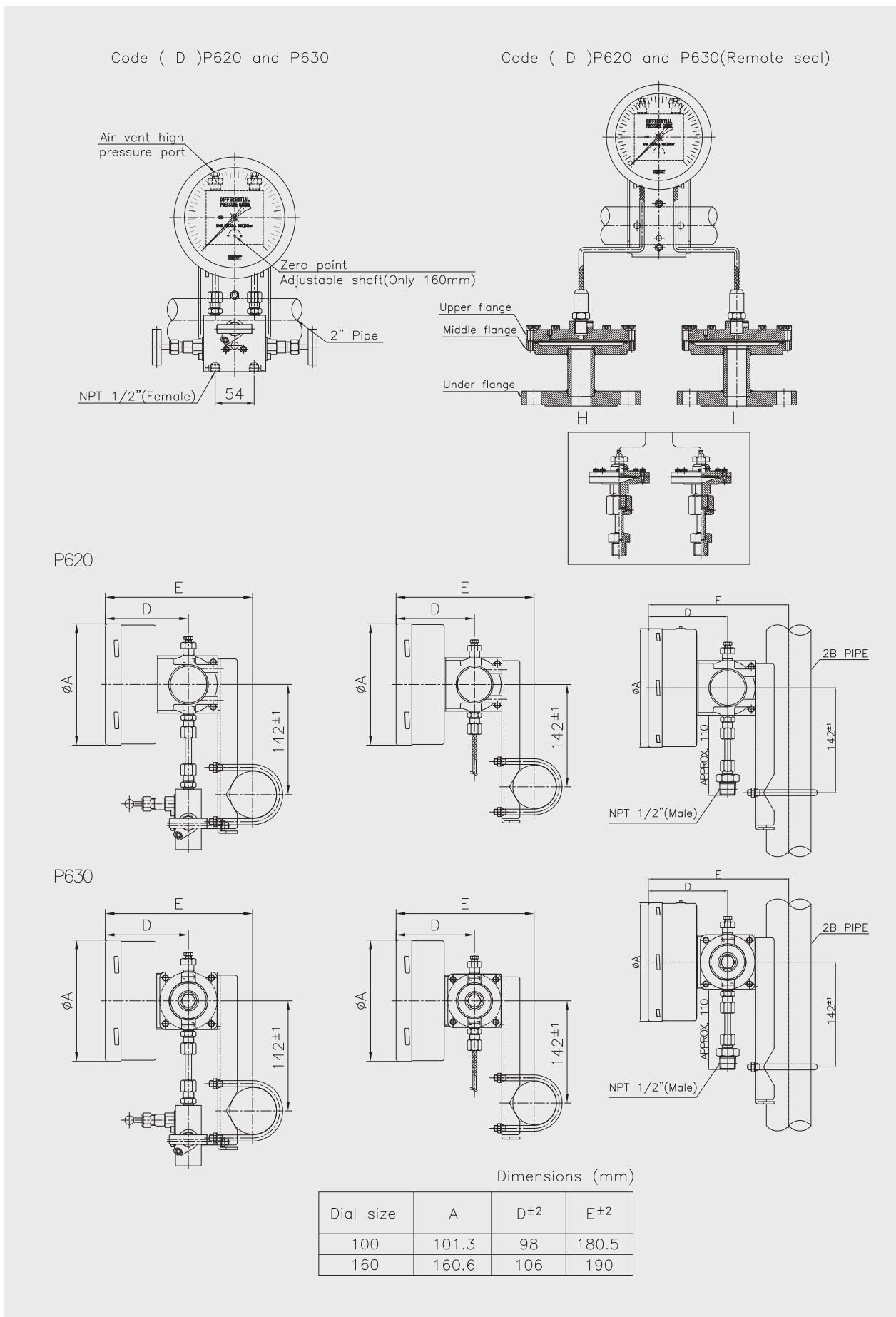
Sample ordering code

1	2	3	4	5	6	7	8	9	10
P620	6	D	4	E	D	I	047	3	2



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P620, P630 : Type of mounting (1/2)



P620, P630 : Type of mounting (2/2)

