

# 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)

### Element

Bellows

Stainless steel (316L SS)

### Case

Stainless steel (304SS)

### Cover

Stainless steel (304SS)

Bayonet type

### Window

Safety glass

### Dial

White aluminium with black graduations

### Pointer

Black painted aluminium alloy

### 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

### Standard accessories

Mounting bracket for 2" pipe

mounting with silver gray finished steel

### Certificates

ATEX II 2G Ex h IIC T6...T1 Gb

ATEX II 2D Ex h IIIC T85°C...T450°C Db

### Option

■ Remote seal

■ Mounting bracket with 316SS for 2" pipe mounting

■ 3-way manifold valve (316SS, Monel)

■ 5-way manifold valve (316SS, Monel)

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## 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** ±1.0 % of full scale  
**4** ±1.6 % of full scale

## 5. Process connection

- C** ¼" NPT(F)  
**E** ½" NPT(F), only at 3-way and 5-way manifold valve  
**E1** ½" 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

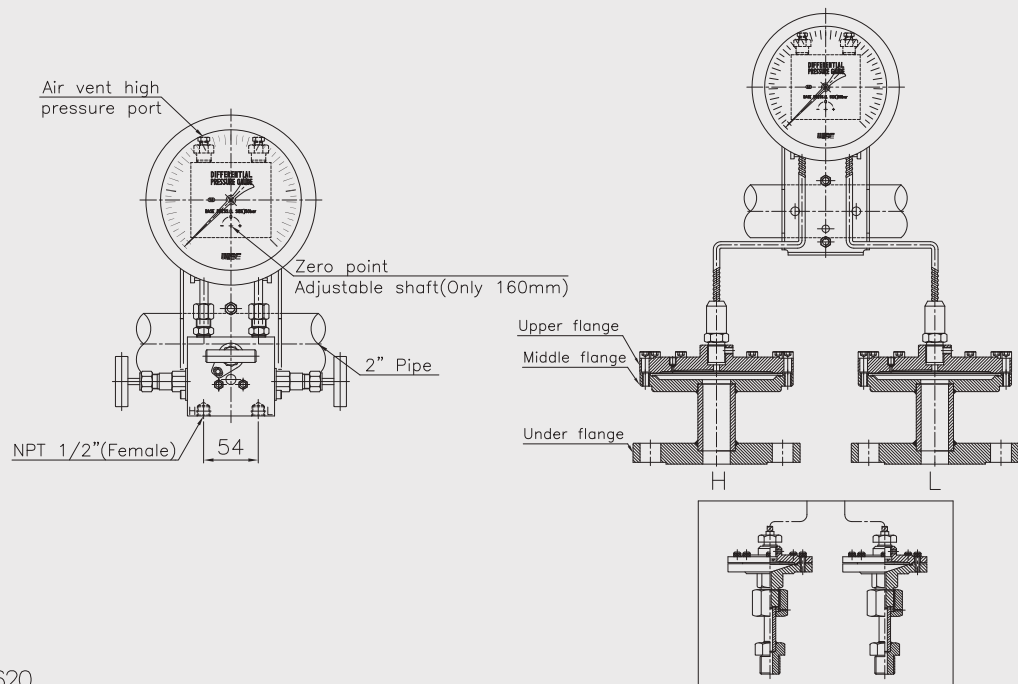


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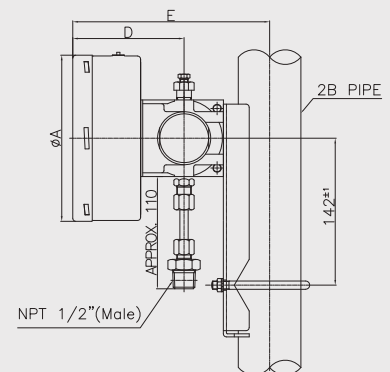
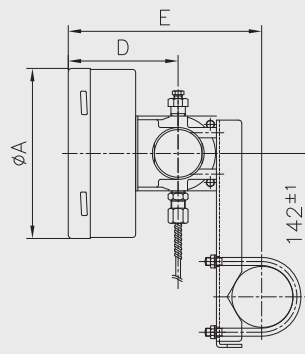
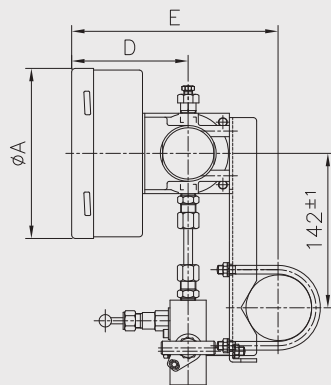
## P620, P630 : Type of mounting (1/2)

Code ( D ) P620 and P630

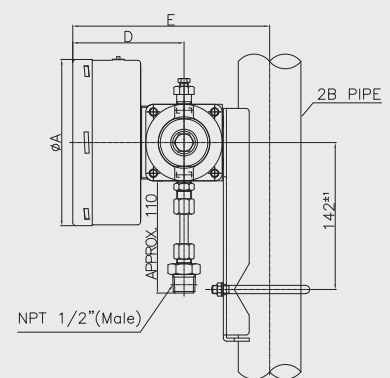
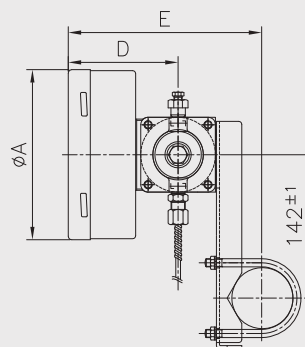
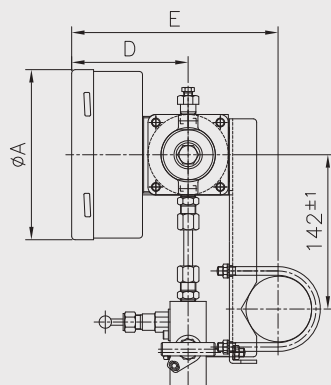
Code ( D ) P620 and P630(Remote seal)



P620



P630



Dimensions (mm)

Dial size	A	D $\pm 2$	E $\pm 2$
100	101.3	98	180.5
160	160.6	106	190

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

