

# Draft gauge

## Model : P410, P420 series

Spec. sheet no. PD04-01

### Service intended

P410 and P420 series are designed to measure low, vacuum or compound pressure.  
These series are available in panel mounting.

### Nominal diameter

192 (W) x 96 mm (H) (P type)  
96 (W) x 192 mm (H) (R type)

### Accuracy

±2.0 or ±3.0 % of full scale

### Scale range (MPa, kPa, bar)

Vacuum : -1 ~ 0 to -0.5 ~ 0 kPa  
Compound : -0.2 ~ 0.2 to -5 ~ 5 kPa  
Pressure : 0 ~ 0.5 to 0 ~ 10 kPa

### Working pressure

Steady : 75 % of full scale  
Over range protection : 130% of full scale

### Working temperature

Ambient : -20 ~ 65 °C  
Fluid : Max. 100 °C

### Temperature effect

Accuracy at temperature above and below the reference temperature (20 °C) will be effected by approximately ±1.0 % per 10 °C of full scale



### Standard features

#### Pressure connection

Stainless steel (316SS)

#### Dial

White aluminium with black graduations

#### Element

Stainless steel (316L SS)

#### Case

Black finished steel : P410  
Black finished stainless steel (304SS) : P420

#### Pointer

Black painted PBs2 alloy

#### Window

Safety glass

#### Movement

Brass

#### Process connection

¾", ½" PF, NPT and PF

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## Main order

## Ordering information

### 1. Base model

**P410** Square type low pressure gauge,

black finished steel case

**P420** Square type low pressure gauge,

stainless steel case

### 2. Nominal diameter (mm)

**9** 192 (W) x 96 (H) and 96 (W) x 192 (H)

### 3. Type of mounting

**P** Horizontal mounting

**R** Vertical mounting

### 4. Accuracy

**5**  $\pm 2.0\%$  of full scale

**6**  $\pm 3.0\%$  of full scale, only compound and vacuum

### 5. Process connection

**D**  $\frac{3}{8}$ "

**E**  $\frac{1}{2}$ "

### 6. Connection type

**B** PF

**C** PT

**D** NPT

**Z** Other

### 7. Unit

**J** kPa

**S** mbar

### 8. Range

**XXX** Refer to pressure unit and range table

### 9. Pressure connection material and dial color

**3** 316SS and 2 colors

**7** 316SS and 3 colors

### 10. Option

**0** None

**1** Accessories

#### Sample ordering code

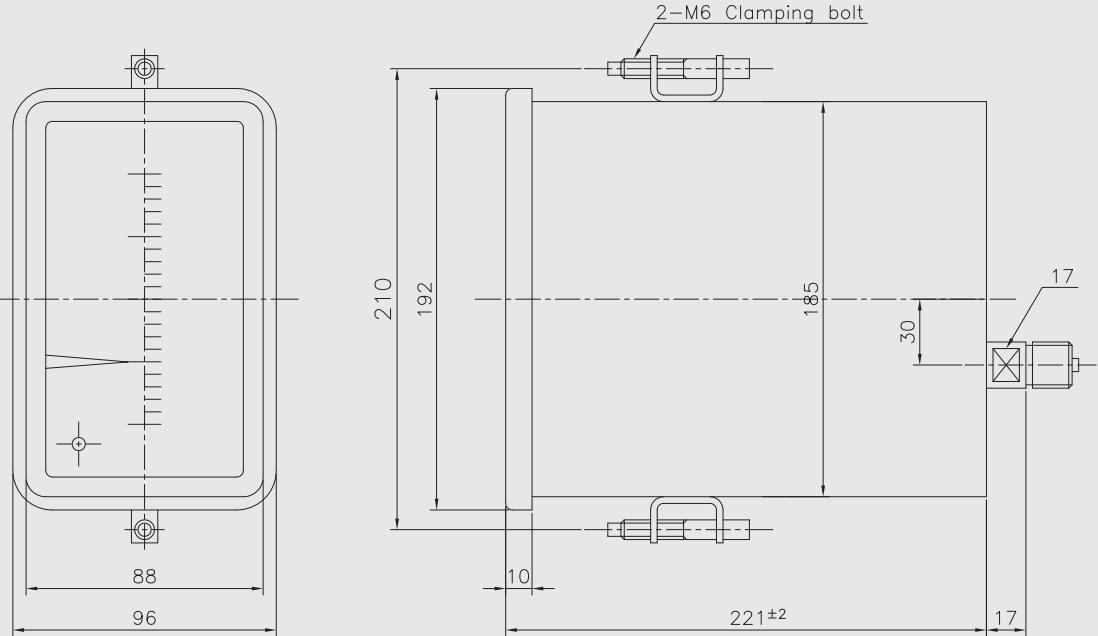
1	2	3	4	5	6	7	8	9	10
<b>P410</b>	<b>9</b>	<b>P</b>	<b>5</b>	<b>E</b>	<b>C</b>	<b>J</b>	<b>XXX</b>	<b>3</b>	<b>0</b>



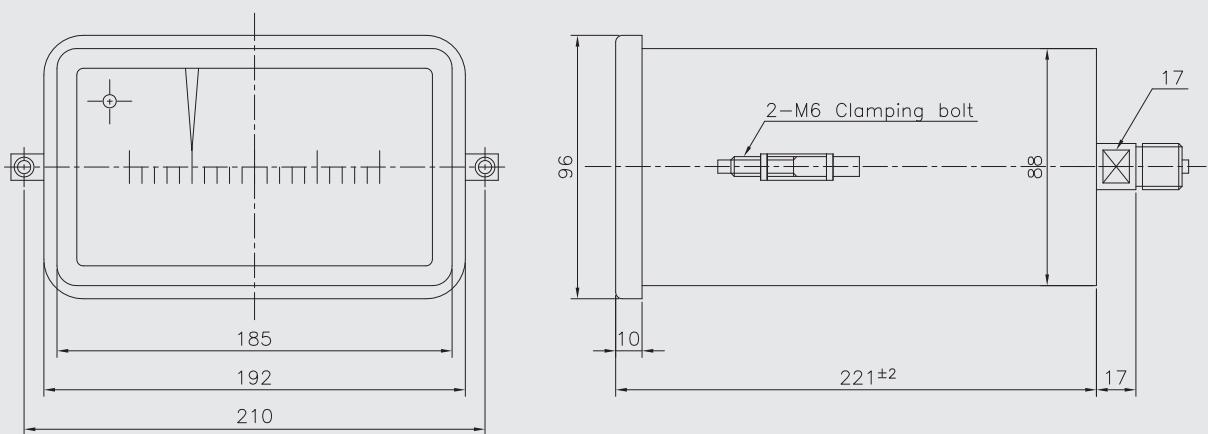
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## P410, P420 : Type of mounting

Code R



Code P



## Pressure unit and range table

Range and code	Unit and code		Model number
	S : mbar	J : kPa	
403	-100 ~ 0	-10 ~ 0	O
405	-50 ~ 0	-5 ~ 0	O
407	-30 ~ 0	-3 ~ 0	O
408	-20 ~ 0	-2 ~ 0	O
409	-10 ~ 0	-1 ~ 0	O
410	-5 ~ 0	-0.5 ~ 0	O
413	-50 ~ 50	-5 ~ 5	O
417	-30 ~ 30	-3 ~ 3	O
419	-20 ~ 20	-2 ~ 2	O
421	-10 ~ 10	-1 ~ 1	O
422	-5 ~ 5	-0.5 ~ 0.5	O
423	-3 ~ 3	-0.3 ~ 0.3	O
424	-2 ~ 2	-0.2 ~ 0.2	O
456	0 ~ 5	0 ~ 0.5	O
457	0 ~ 10	0 ~ 1	O
460	0 ~ 20	0 ~ 2	O
462	0 ~ 30	0 ~ 3	O
465	0 ~ 50	0 ~ 5	O
469	0 ~ 100	0 ~ 10	O

O : Available