

# Low differential pressure gauge

## Model: P880 series

Spec. sheet no. PD08-08

### Service intended

This gauge is used to measure a pressure of air and gas duct, furnace draft, negative pressure room, also, a differential pressure of filter, venturi tube and etc. This gauge have a high quality, low cost, good appearance and wide scale range.

### Nominal diameter

100 mm

### Accuracy

±2.0 % of full scale

-5 ~ 5, -25 ~ 25 and 0 ~ 10 mm : ±3.0 % of full scale

0 ~ 3000 mm : ±4.0 % of full scale

### Scale range (kPa)

-0.25 to 0.25 kPa, 0~50 kPa

### Working pressure

- Steady pressure : 75 % of full scale
- Over pressure protection : 100 kPa

### Working temperature

Ambient : -10 ~ 60 °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

1/8" NPT(F)

### Dial

White aluminium with black graduations

### Case and cover

Gray painted aluminium die casting

### Pointer

Black painted aluminium alloy

### Window

Acrylic resin

### Element (Wetted parts)

Silicone rubber

**1. Base model**

**P880** Low differential pressure gauge

**2. Nominal diameter**

**4** 100 mm

**3. Type of mounting**

**L** Back connection, flush, case center mounting plate

**4. Accuracy**

**5** ±2.0 % of full scale

**6** ±3.0 % of full scale (-5 ~ 5, -25 ~ 25 and 0 ~ 10 mm)

**7** ±4.0 % of full scale (0 ~ 3000 mm)

**5. Process connection**

**B** 1/8"

**6. Connection type**

**D** NPT(F)

**7. Unit**

**G** mm

**J** kPa

**8. Range (mm)**

**432** -5 ~ 5                      **457** 0 ~ 100

**553** -25 ~ 25                  **460** 0 ~ 200

**422** -50 ~ 50                  **462** 0 ~ 300

**421** -100 ~ 100                **465** 0 ~ 500

**418** -250 ~ 250                **469** 0 ~ 1000

**413** -500 ~ 500                **437** 0 ~ 2000

**506** 0 ~ 10                      **043** 0 ~ 3000

**510** 0 ~ 50                      **XXX** Other

**9. Dial color**

**1** 2 colors

**3** 3 colors

**10. Options**

**0** None

**1** Mounting bracket

1	2	3	4	5	6	7	8	9	10
P880	4	L	5	B	D	J	432	1	0

Sample  
ordering code

## P880 : Type of mounting

