Low differential pressure gauge
Model: P880 series

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 ℃) will be effected by approximately
±1.0 % per 10 ℃ of full scale

Standard features

Pressure connection
⅛" 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

WISE®

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　　⅛"

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

Sample ordering code

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

3-#6-32 UNC
P.C.D 104.8

1/8" NPT.(Female)
High pressure

1/8" NPT.(Female)
Low pressure

17.5

44.5
12.7

1/8" NPT.(Female)
High pressure

1/8" NPT.(Female)
Low pressure

13.5

31.8

ø114.3

ø120.7

12

42.9   11.2

* Bracket mounting type

Panel