

Ultra Low pressure gauge

Model : P423 series

Spec. sheet no. PD04-04

Service intended

P423 series are designed to measure ultra low, vacuum or compound pressure.
These models have a stainless steel measuring element which consists of two formed diaphragms and diaphragms are welded together.

Nominal diameter

100 mm

Accuracy

±1.6 % of full scale

Scale range (kPa, mbar)

-1 ~ 0 to -0.2 ~ 0 kPa

-0.1 ~ 0.1 to -0.5 ~ 0.5 kPa

0 ~ 0.2 to 0 ~ 1 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 ±0.6 % per 10 °C of full scale



Standard features

Pressure connection

Stainless steel (316SS)

Movement

Brass

Element

Stainless steel (316L SS)

Pressure chamber : Up to 1 kPa

Dial

White aluminium with black graduations

Case

Stainless steel (304SS)

Pointer

Black painted aluminium alloy

Cover

Stainless steel (304SS)

Process connection

1/4", 3/8", 1/2" PT, NPT and PF

Window

Safety glass

Option

Internal zero adjustment

WISE[®]

1. Base model**P423** Ultra Low pressure gauge**2. Nominal diameter (mm)****4** 100**3. Type of mounting**

- A** Bottom connection, direct
B Bottom connection, surface, case mounting plate

4. Accuracy**4** ±1.6 % of full scale**5. Process connection**

- C** 1/4"
D 3/8"
E 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
4 316L SS and 2 colors
7 316SS and 3 colors
8 316L SS and 3 colors

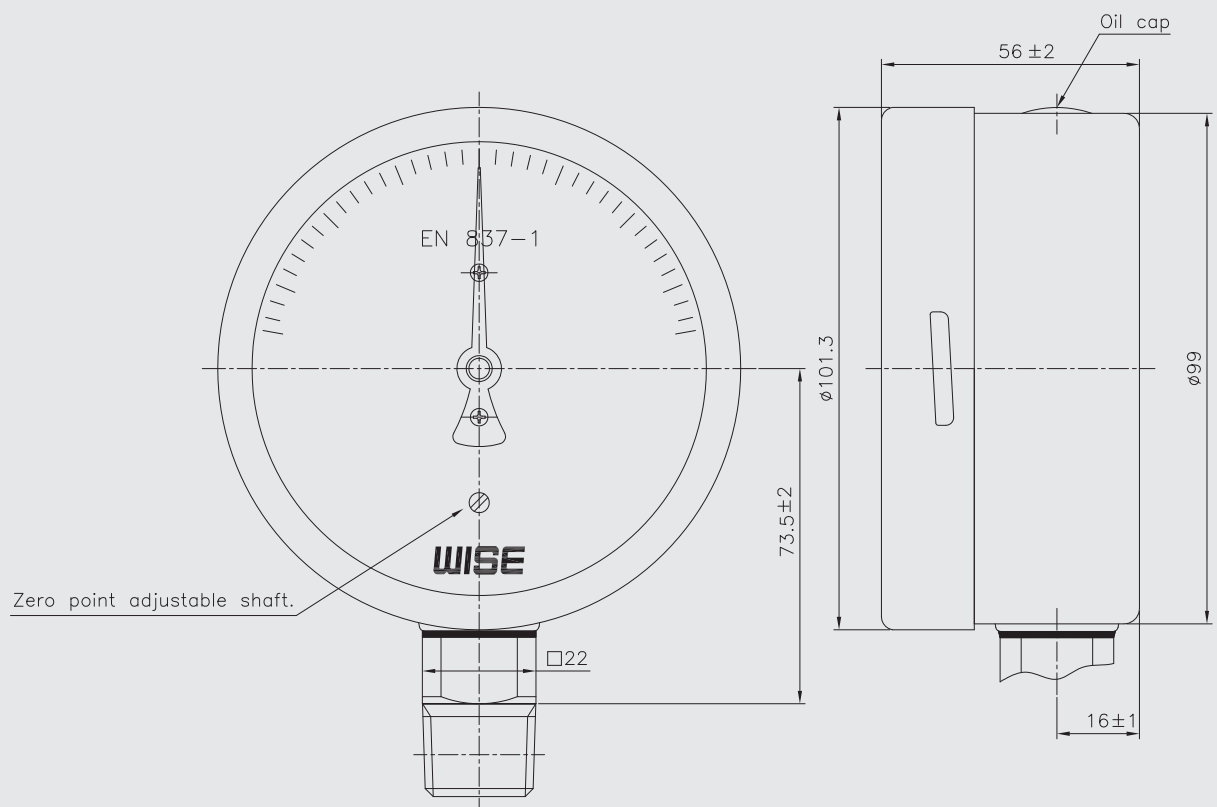
10. Option

- 0** None
1 Accessories

Sample ordering code

1	2	3	4	5	6	7	8	9	10
P423	4	A	4	E	D	J	XXX	3	0

P423 : Type of mounting



Pressure unit and range table

Range and code	Unit and code	
	S : mbar	J : kPa
409	-10 ~ 0	-1 ~ 0
429	-4 ~ 0	-0.4 ~ 0
427	-2 ~ 0	-0.2 ~ 0
422	-5 ~ 5	-0.5 ~ 0.5
423	-3 ~ 3	-0.3 ~ 0.3
424	-2 ~ 2	-0.2 ~ 0.2
425	-1 ~ 1	-0.1 ~ 0.1
449	0 ~ 2	0 ~ 0.2
451	0 ~ 4	0 ~ 0.4
453	0 ~ 6	0 ~ 0.6
457	0 ~ 10	0 ~ 1