



SJ MXB



**PRESSURE GAUGE
WITH
LCD SCREEN**

Digital Pressure Gauge: LCD Display

Model: MXB

Product Description

- Bar graph display can prevent over-pressure
- Helps record highest and lowest peak values effectively
- Same material as PCE Deutschland GmbH



Product Specification

Connection location

Bottom mount, back mount,
with/without flange, bottom mount
with cooling element

Nominal size

2.5", 3", 4"

Scale ranges

0 ... 5 kPa to 0 ... 100 MPa, or other
equivalent units of pressure, vacuum
or compound

Pressure units

MPa, kg/cm², bar, psi, mmH₂O, kPa,
Pa, inWC, mbar, mH₂O, inHg, mmHg,
Torr (Up to 8 units can be switched,
if not specified, the engineer will
select it according to the pressure
range)

Accuracy

±0.4% F.S. (standard), ±0.2% F.S.

Process connection

304 SS

PT: 1/4", 1/2"

G: 1/8", 1/4", 3/8", 1/2", 7/8"

NPT: 1/4", 1/2"

M: 12*1.5, 10*1.0, 10*1.5, 14*1.5,
20*1.5

Product Specification

Case/Ring

304 SS

Panel

Acrylic

Diaphragm

316 SS

Medium temperature

-35°C ... 60°C

Display

5.5 digits

LCD, switchable backlight button

Response time

18 times/sec

Power supply

2.5" bottom mount, 3": AAA battery*3

2.5" back mount, back mount with flange: AAA battery*4

4": AA battery*3

Optional external power supply: DC24V, DC5V, or with other transformers such as AC110V. You need to open the top cover to replace the battery of 2.5" back mount type.

Protection level

IP40

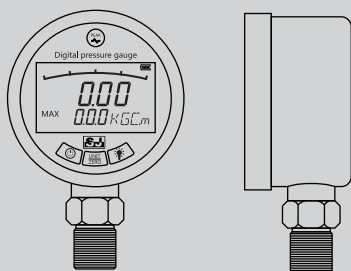
Battery life

3500 hours

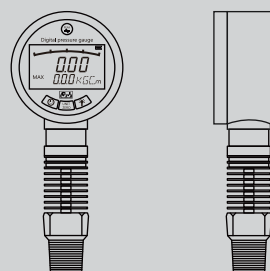
Can be used for half a year to 1 year without the backlight, and can be used for about 8 months when it is turned on continuously.

Connection location

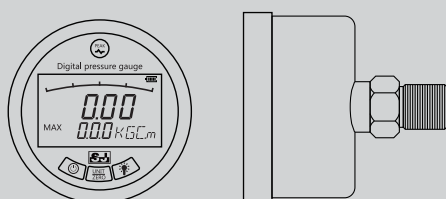
A-Bottom mount



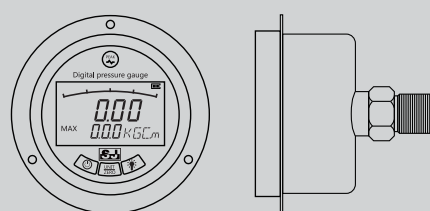
AC-Bottom mount with cooling element



AD-Center back mount

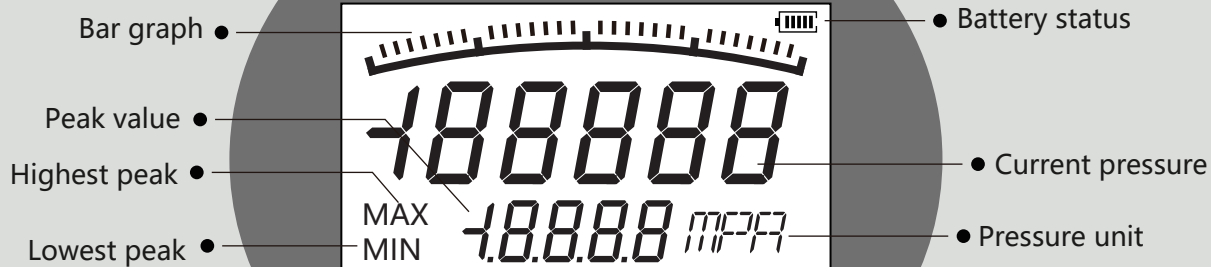


BD-Center back mount with flange



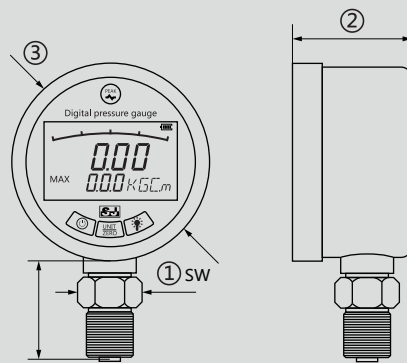
Connection location				
NS	A	AC	AD	BD
2.5"	V	-	V	V
3"	V	V	V	V
4"	V	-	V	V

Interface Description



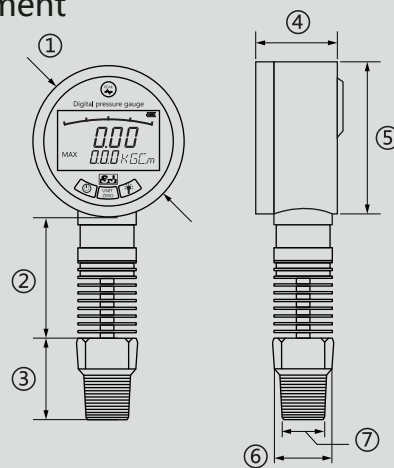
Dimensions

A-Bottom mount



Dimensions (mm)			
NS	①	②	③
2.5"	24	40	67
3"	24	51	81
4"	24	48	100

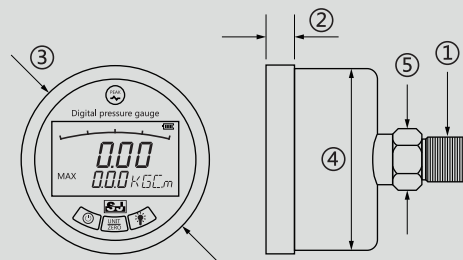
AC-Bottom mount with cooling element



Dimensions (mm)							
NS	①	②	③	④	⑤	⑥	⑦
3"	80.6	63.8	31	48.3	79.8	29	M20*1.5

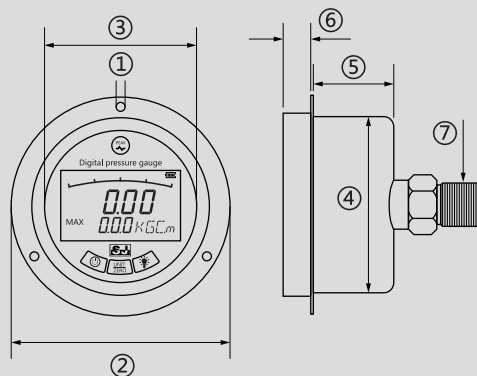
Dimensions

AD-Center back mount



Dimensions (mm)					
NS	①	②	③	④	⑤
2.5"	1/4"	10.5	69	62	27
3"	1/4"	12.5	71.5	76	27
4"	1/4"	16	97	103	27

BD-Center back mount with flange



Dimensions (mm)							
NS	①	②	③	④	⑤	⑥	⑦
2.5"	6.5*5.5	89	69	62	29.5	10.5	1/4"
3"	4.5*3	107	71.5	76	38	12.5	1/4"
4"	5.5*3	135	97	103	33	16	1/4"

※ **Ordering information**

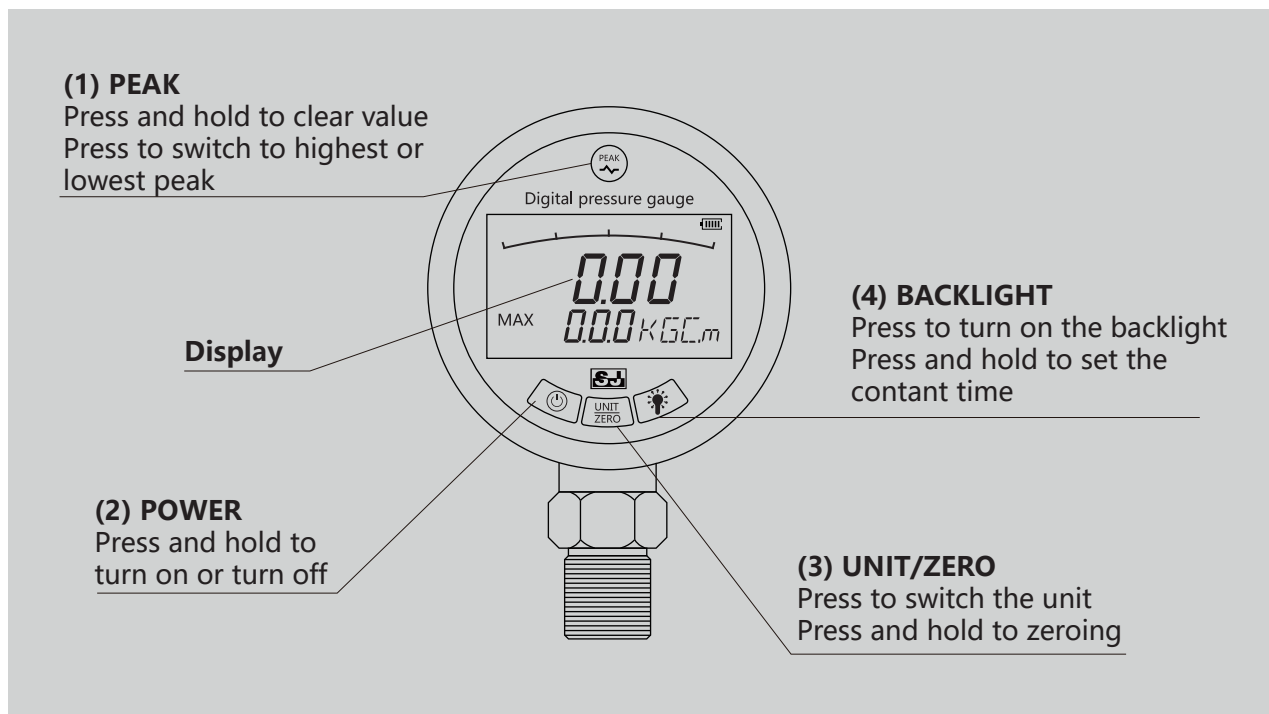
Model / Connection location / Nominal size / Scale range / Accuracy /
Process connection / Options

For any changes to the specifications of this catalogue, the latest version shall prevail.





Key functions



How to get back when accidentally access the menu?

Press (1) PEAK to return to measurement mode.

How to set constant backlight?

1. Turn on.
 2. Press and hold (4) BACKLIGHT to enter the menu.
 3. Press (4) BACKLIGHT to change the ones digit to 0.
 4. Press (3) ZERO/UNIT to switch to the tens digit, and press (4) BACKLIGHT to set the value to 0.
- ※ Do not set numbers other than 00, otherwise it will affect the factory settings and cause program confusion.
5. And press (1) PEAK again to complete the constant backlight setting.

How to reset?

1. Turn on.
2. Press and hold (4) BACKLIGHT to enter the menu.
3. Press (4) BACKLIGHT to change the ones digit to 9.
4. Press (3) ZERO/UNIT to switch to the tens digit, and press (4) BACKLIGHT to set the value to 9.
5. And press (1) PEAK to complete resetting.



How to adjust the update frequency?

[Enter the menu]

1. Turn on.
2. Long press (4) BACKLIGHT to enter the first level menu.
3. Press (4) BACKLIGHT to toggle the ones digit to 6.
4. Press (3) ZERO/UNIT to switch to the tens digit, then press (4) BACKLIGHT to set the value to 9.
5. Press (1) PEAK to confirm to enter the second level menu.

[Setting]

6. Press (3) ZERO/UNIT or (4) BACKLIGHT to switch the screen to "SEF9", then press (1) PEAK to enter the frequency setting.
7. The default value is "01", press (4) BACKLIGHT to adjust the value. (The larger the number, the lower the update frequency and the more stable the display.)

[Exit the menu]

8. Press (1) PEAK to return to the second level menu.
9. Press (3) ZERO/UNIT or (4) BACKLIGHT to switch the screen to "SOUt", then press (1) PEAK to complete the frequency setting.

How to set the automatic shutdown time?

[Enter the menu]

1. Turn on.
2. Long press (4) BACKLIGHT to enter the first level menu.
3. Press (4) BACKLIGHT to toggle the ones digit to 6.
4. Press (3) ZERO/UNIT to switch to the tens digit, then press (4) BACKLIGHT to set the value to 9.
5. Press (1) PEAK to confirm to enter the second level menu.

[Setting]

6. Press (3) ZERO/UNIT or (4) BACKLIGHT to switch the screen to "CLtt", then press (1) PEAK to enter the shutdown setting.
7. The default value is "00", press (4) BACKLIGHT to adjust the value. (Number 01 is 1 minute, number 02 is 2 minutes, etc.)

[Exit the menu]

8. Press (1) PEAK to return to the second level menu.
9. Press (3) ZERO/UNIT or (4) BACKLIGHT to switch the screen to "SOUt", then press (1) PEAK to complete the shutdown setting.

4ManPro

*Elements For
Manufacturing Processes*



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