ASP802C SERIES

Ordering Code

ASP802C—□—□—□—□

Range: From vacuum to 1000 Bar. 0-1 Bar, 0-10 Bar, 0-100 Bar, 0-1000 Bar, -1-0 Bar, -1-1 Bar, -1-10 Bar, -1-100 Bar, -1-1000 Bar.
Output: Blank: No output 300: 4-20mA 210: 0-10V 205: 0-5V 400: RS485
Connection size: 1: Standard M20X1 5 2: G1/2 3: G1/4 & 1/4NPT 4: Others
Style: Blank: Normal style P: Panel style
ASP802C Series Digital Pressure Gauge

Example: ASP802C-P-3300-600Bar means panel style, G1/4 thread size, 4-20mA output, 0-600Bar range.

⚠ 1. Panel Style type is not available at present. Planned for release when it is available.
2. With output function is not available at present. Planned for release when it is available.
3. Pressure range for example 0-100Bar, it covers 0-25Bar, 0-40Bar, 0-60Bar and any range less than 100Bar.

Technical Data

Accuracy:	Silicon 0.25% F.S
Power Supply:	3 x 1.5V AA battery. Life: about 3600h.
Pressure Range:	From vacuum to 1000 Bar or 0-1000 Bar
Housing:	ABS
Operating Temperature:	-20 to 85 Degrees
Storage Temperature:	-20 to 85 Degrees
Temperature Shift:	0.05% F.S per Degree
Size:	78mm Diameter
Engineering Unit:	Pa, KPa, MPa, PSI, Bar, MH$_2$O, INH$_2$O, MMH$_2$O, INHG, CMHG, MMHG and KGCM.
Thread Size:	M20X1.5, G1/2, 1/4 NPT and others
Frontal Panel:	Polycarbonate, OEM available
Max Allowed Load:	RL less than 600 Ohm
Over Pressure:	200% of the Pressure Range, Less than 1200Bar
Burst Pressure:	400% of the Pressure Range, Less than 1200Bar
Output:	4-20mA, 0-10V, 0-5V, RS485, alarms
IP Rating:	IP66
Weight:	About 300G

Operation Process

Keypad operations:

A. Turn on/Turn off the Gauge
When the gauge is off, pressure and hold ON/OFF button will turn on the gauge.
When the gauge is on, pressure and hold ON/OFF button will turn off the gauge.

B. Zero function
Step 1: In the measure mode, press and hold ZERO button for 3 seconds, till to the indication work "ZERO" appears.
Step 2: Release the ZERO button, the value begins to flashing. It means it is zero and waiting for confirmation.
Step 3: The 00000 will be flashing for 5 seconds. Within the 5 seconds clicking SET button to confirm the Zero function. And then return to the measure mode, Zero function finished.

⚠ If return to measure mode without click SET button. The ZERO fucntion will not be saved.

C. Modify engineer units
Step 1: In the measure mode, press and hold UNIT button for 3 seconds, till to the indication work "UINT" appears and the present unit flashing.
Step 2: Click ▲button and ▼button to select the unit that is wanted.
Step 3: The unit will be flashing for 5 seconds. Within the 5 seconds clicking SET button to confirm the new unit. And then return to the measure mode. unit modification finished.

⚠ If return to measure mode without click SET button. The new unit will not be saved and will still display the previous unit.

D. Display/Clear Max/Min value
1. Display the Max and Min value measured. In the measure mode, click MAX/MIN button will display Max measured value. The value is flashing for 5 seconds. If clicking this button again within 5 seconds, it will display the Min value; without clicking this button again within 5 second, it will return to measure mode.
When the Min value is flashing, click this button again will return to measure mode. Otherwise it will return to measure mode in 5 seconds of flashing.
2. Clear the Max/Min value.
When the Max value is flashing, press and hold MAX/MIN button for 3 seconds, the value will stop flashing and CLR(lower line) appears, And then go to the Min value.
When the Min value is flashing, press and hold MAX/MIN button for 3 seconds, the value will stop flashing and CLR (lower line) appears, and then return to measure mode.

Menu operations:

A. Modify the parameters
Step 1: In the measure mode, press and hold MENU button for 3 seconds, the lower line display "MENU" and then display the first parameter LCK.
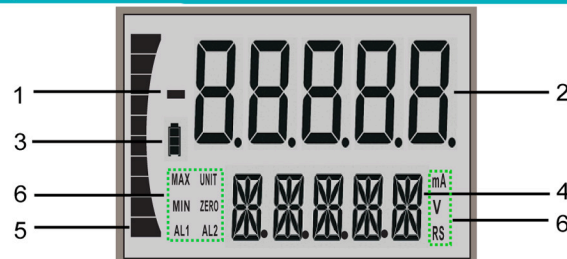Step 2: Click ▲ button and ▼ button to select the parameter that is wanted.
Step 3: When reaching the wanted parameter, click SET button, the value is flashing, it means the value is modifiable.
Step 4: Click ▲ button and ▼ button to select or increase/decrease till to that is wanted.
Step 5: Click SET button to confirm the new set value. Click ▼ button to next

Display Illustration

1. Negative symbol. When it is a positive number, this symbol will not appear.
2. Pressure value/Parameter Vaule. When it is in measure estate, it will display pressure value, when it is in menu estate, it will display parameter value.
3. Battery indication.
4. Unit/Parameter. When it is in measure estate, it will display engineer unit. When it is in menu estate, it will display the parameter.
5. Bar graph. Total 10 bar graph, each stands for 10% of the F.S pressure.
6. Indication words. These words are to indicate the relative function and output.
For example, while excute the Zero function, the work ZERO will appear.
MAX: Maximum value. MIN: Minimum value. UNIT: pressure unit. AL1: Alarm 1 AL2: Alarm 2. mA: 4-20mA. V: 0-10V or 0-5V. RS: RS485.

keypad Illustration

ON/OFF — Press and hold the button for 3 seconds to turn on/turn off the gauge.
Click the button will turn on/turn off the backlight.
⚠ Press and hold this botton will display all statements of LCD, and then go to the measure estate once releast the botton.

ZERO / ▲ — Press and hold the button for 3 seconds will excute zero function.
Click the button will increase the value, or up to the last value.

UNIT / SET — Press and hold the button for 3 seconds enable tol select engineer unit.
Click the button to activate or confirm the value.

MENU / ▼ — Press and hold the button for 3 seconds will enter parameter area.
Click the button will decrease the value, or down to the next value.

CLR / MAX/MIN — Press and hold the button for 3 seconds will clear the Max/Min value.
Click the button will display the Max/Min value.

parameter. The new set value is saved.
⚠ After set the new value of parameter, SET button should be clicked to confirm the new value. Otherwise the new value will not be saved.

⚠ In the MENU mode, it will return to the measure mode in 7 seconds without button operation. Also it will return to measure mode by pressure and hold NENU button for 3 seconds.

B. Parameters description
LCK: Pass word. When LCK=05, the parameters is modifiable. Other number ▲|▼ can not modify the parameters. Factory setting LCK=05.
UPDATE: Sampling rate. Larger number stands for more stable display. ▲|▼ 100, 200, 500 and 1000 ms for option. Factory setting 1000ms.
A OFF: Auto-Off time. There are 1, 5, 10, 30m and ----(never) for option. ▲|▼ Factory setting ----
BACK: Backlight time-Off time. There are 5, 10, 30s and ----(never) for option. ▼ Factory setting ----

Dimension Size