

## HP-S260 Intelligent Digital Pressure Gauge



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## I.Product Overview

HP-S260 pressure gauge is a high-precision intelligent digital pressure gauge. It has a high-precision sensor and displays pressure accurately in real time. It has advantages of high precision and good long term stability.

HP-S260 is equipped with a large size LCD, featuring with functions of zero clearing, backlight, on/off button, units switching and low pressure alarm. It is convenient to install and easy to operate.

The housing and connector of HP-S260 are made of stainless steel 304 with excellent vibration resistance. It can be used to measure gas, liquid, oil and other non-corrosive medium of stainless steel.

## II.Features

- 4 bit digits LCD showing pressure accurately in real time, easy for observation.
  - Various pressure units, zero clearing, backlight, on/off functions
  - Battery powered, low-power design keeping working for 12 months
- All stainless steel shell, small size, low cost

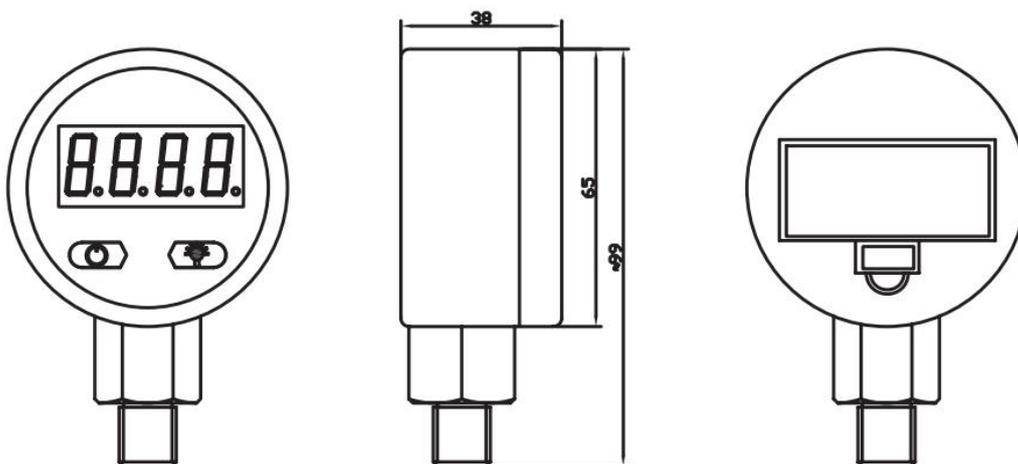
## III.Parameters

Dial Size	66mm
Pressure type	Gauge pressure, negative gauge pressure
Medium	Water, oil, gas compatible with SS304
Pressure range	-0.1-0,1...0.6...1...1.6...2.5...6...10...25MPa

Connector/Socket	M20*1.5, G1/4 or others
Connection type	Radial Direction
Display	3 Digital LCD Display( <b>when pressure range is 4Mpa or 6Mpa</b> ) 4 Digital LCD Display( <b>other ranges</b> )
Overload	<10MPa 150%; 210MPa 120%
Long-term Stability	0.5%FS/Year
Power	3V (2 pieces AAA Battery)
Sampling Rate	three times/second
Backlight	White
Material	SS304
Battery lifetime	12 months
Accuracy	1.0%
Function:	back-light, on/off, pressure units, zero clearing

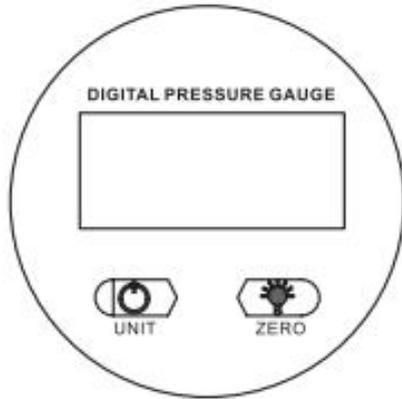
#### IV. Drawings

UNIT: mm



**V.Key operation**

1.Key note



KEY	FUNCTION	DESCRIPTION
	ON/OFF	Long press to power on, short press to power off
	UNIT	Short press to change pressure units circularly
	BACK-LIGHT	Short press, the back-light will light on for 20 seconds
	ZERO	Long press for 5 second to calibrate zero

2. LCD



SIGN	DESCRIPTION
MPa PSI Kgf/cm² mBAR MPa	UNITS
	BATTERY LIFE
0%  100%	PRESSURE PROGRESS BAR

## VI.Function

### 1.On/off

Short press the power button to turn on and long press the power button to turn off.

### 2.Unit switching

Cyclic switching unit by pressing unit switching key.

### 3. Zero Clearing Function

Without pressure, press zero button for 4 seconds to clear the zero error.

4. Back-light function Short press the back-light button and turn on the back-light for 20 seconds.

Long press the back-light for 3 seconds, and the back-light will remain bright until the back-light key is pressed again.

5. Adjusting the filter constant Press On/off key + backlight key at the same time, it will display 'r-03', indicating that the current filter constant is 03. The number can be set by pressing key button, and the range can be modified from 01 to 10. After setting up, press the back-light key to exit.Note: The smaller the filter constant, the faster the digital change the slower and more stable the digital change.

## VII.Codes

NO.	CODE	DESCRIPTION
1	E-E	Sensor destroyed.
2	E-H	The current pressure over the range or sensor destroyed
3	E-P	Entry program of pressure calibration. Operational error, please outage to quit.

## VIII.Problems and Solutions

NO.	QUESTION	REASON	SOLUTION
1	Backlight dark	Battery power shortage	Change batteries
2	Battery sign flicker	Battery power shortage	Change batteries
3	Pressure no change	1.Pressure hole blockage 2.Clear zero with pressure 3.Sensor damage	1.Check the pressure hole 2.Zeroing without pressure 3.Depot repair
4	Show E--H	1.Pressure over range 2.Sensordamage	1.Attention not to over Pressure 2.Deport repair
5	Digital jump too slowly	Adjust current sampling rate	Refer to VI.5
6	Digital jump too quickly	Adjust current sampling rate	Refer to VI.5
7	Pressure frequent impact	1.Easy to damage sensor 2.Easy to cause leakage	Add buffer tube
8	High temperature	1.Easily damage gauge 2.Causing pressure deviation	Add buffer tube/radiator