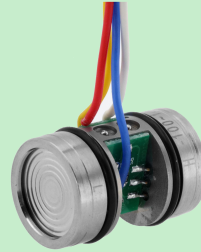


# SS120 series differential pressure transducers

## Features

- High accuracy, high reliability
- All stainless steel 316L structure
- 1.0mA, 1.5mA constant current supply
- 5VDC, 10VDC constant voltage supply
- 0-70°C temperature compensation range
- Wider differential pressure range 0.2 to 60 bar
- Isolated construction, able to test various media



## Descriptions

SS120 series piezoresistive silicon differential pressure sensor, works following the principle of piezoresistive effect, a high-sensitivity piezoresistive silicon chip is used for pressure sensing. All metal parts in contact with the pressure media are made of stainless steel 316L. The piezoresistive differential pressure sensor is high stability, good reliability, high static pressure, widely used to measure liquid and gas differential pressure.

## Pressure & overload (Unit: bar)

Pressure	0.2	0.35	0.7	1.0	2.0	3.5	7.0	10	16	20	25	40	60
Overload	1.0	1.0	2.5	2.5	5.0	5.0	10	15	20	30	30	50	80
Static pressure	16	16	16	16	16	16	16	25	25	40	40	50	80

## Technical data

Power supply	1.5mADC	5VDC(optional)	10VDC(optional)
Zero output	0±2mV①		
Span output	100±20mV①		
Accuracy	0.25%F.S.①		
Measuring range	0...0.2bar to 60bar		
Compensated temp range	0°C → 70°C		
Operating temp range	-20°C → 100°C		
Storage temp range	-40°C → 125°C		
Zero thermal error	≤0.02% F.S./°C		
Sensitivity thermal error	≤0.02% F.S./°C		
Stability	≤0.2% F.S./Year		
Input impedance	2.3KΩ → 4KΩ		
Insulation resistance	>100 MΩ at 250 V		
Vibration	20g/(20~5000Hz)		
Endurance	>100 x 10 <sup>6</sup> F.S. cycles		

①: The zero output, span output and accuracy may different if the supply power, measuring range and pressure type is different, please contact us if you need more details.

# SS120 series differential pressure transducers

## Constructions

Diaphragm	Stainless steel 316L
Housing	Stainless steel 316L
Filling liquid	Silicone oil
O-ring	Viton(Ø16*1.7mm)
Electrical connection	10cm silicone sheathed wires

## Drawings & electrical connections

	<b>Color</b>	<b>Function</b>
	Red	Supply +
	Black	Supply -
	White	Output +
	Blue	Output -

## Ordering information

EXAMPLE: [SS120 H 01](#)

1	Pressure range(bar)	<b>H</b>
	A(0.2) B(0.35) C(0.7) D(1.0) E(2.0) F(3.5) G(7.0) H(10) I(16) J(20) K(25) L(40) M(60) X(Other pressure range or unit is on request)	
2	Power supply	<b>01</b>
	01(1.5mADC) 02(5VDC) 03(10VDC) 04(Other supply is on request)	

Optional(please contact us for more details)

1	Material of diaphragm
	A(Titanium) B(Tantalum) C(Hastelloy-C)

## Contact us

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\*Specifications subject to change without notice, the latest date sheet please contact: sales@sendo-sensor.com