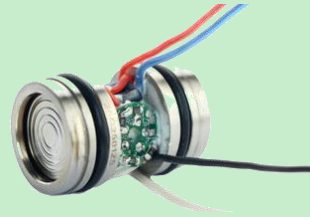


SS120 series differential pressure transducers

- 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

Parameters

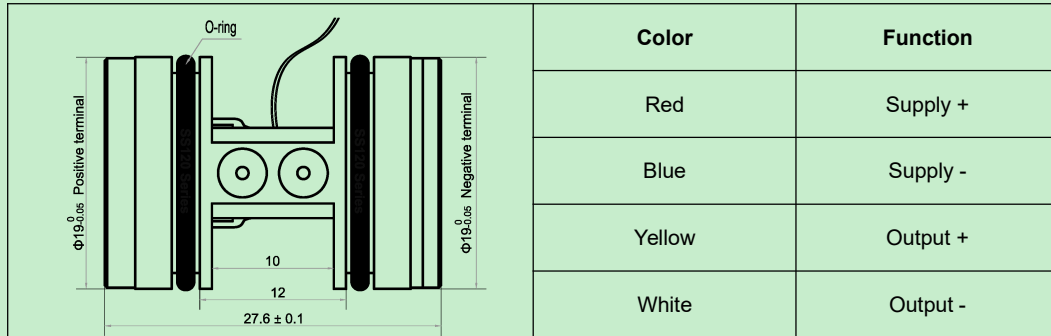
Power supply	1.5mA DC (typical)	5VDC is on request
Zero output	±2mV	
Span output	100±20mV (typical)	
Accuracy	0.25%F.S. (typical)	
Temperature compensation	0~70°C	
Operating temperature	-20~100°C	
Storage temperature	-40~125°C	
Zero thermal error	±0.03%F.S./°C	
Input impedance	2.3KΩ~4KΩ	
Insulation	100MΩ/250VDC	
Stability	≤0.2% F.S./Year	

Constructions

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

SS120 series differential pressure transducers

Drawings & electrical connections



Ordering information

EXAMPLE: **SS120 H 01**

1	Pressure range(Unit: bar) 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)	H
2	Power supply 01 1.5mADC 02 5VDC 03 10VDC 04 Other supply is on request	01

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