

## SS121C24 series piezoresistive standard pressure transducers

- Customized size
- Stainless steel 316L diaphragm
- 1.0mA, 1.5mA constant current supply
- 5VDC, 10VDC constant voltage supply
- 0-70°C temperature compensation range
- Isolated construction, able to test various media
- Absolute, gauge and sealed gauge pressure is optional



### Descriptions

SS121C series low cost OEM pressure transducers are designed with Sendo diameter Ø19mm sensor, which is mounted with the temp compensation resistors in a stainless steel housing. The sensor floats on an O-ring seal and is therefore free of any housing stresses(all stainless steel structure is on request).

SS121C series are often used in development of larger OEM projects, a stainless steel cap is welded on the top side of the housing to protect the inner structure from moist or accident damage, the transducer offers cable as the standard electrical connection configuration, all these make the SS121C series very rugged and more suitable to used in the industrial field directly.

### Parameters

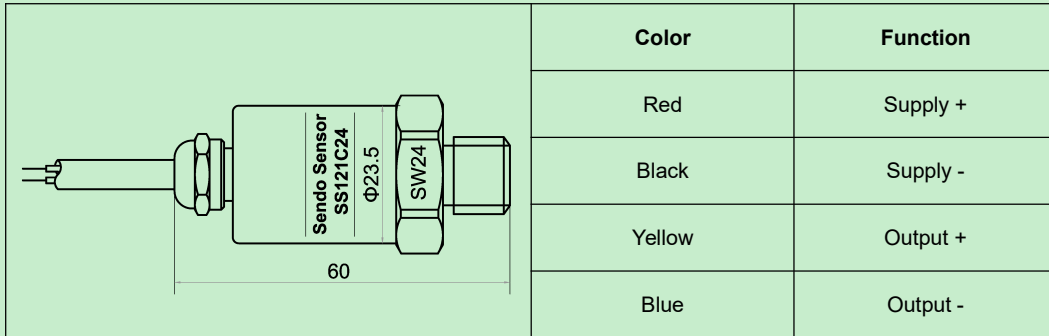
Power supply	1.5mADC (typical)	5VDC is on request
Zero output	±2mV	
Span output	100±20mV (typical)	
Accuracy	0.25%F.S. (typical)	
Measuring range	0...0.1bar to 400bar -1...0bar, -1...1bar(negative pressure)	
Overload	2.0*F.S. (<25MPa)	
	1.5*F.S. (≥25MPa)	
Temperature compensation	0~70°C	
Operating temperature	-20~100°C	
Storage temperature	-40~125°C	
Zero thermal error	±0.02%F.S./°C	
Input impedance	2.3KΩ~4KΩ	

### Constructions

Pressure connection	See "ordering information"
O-ring	Viton
Diaphragm	Stainless steel 316L
Housing	Stainless steel 304
Filling liquid	Silicone oil
Electrical connection	Cable

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## Drawings & electrical connections



## Ordering information

EXAMPLE: **SS121C24 J 01 B 01 A 01**

1	Pressure range(bar) A(-1.0) B(-0.35) C(-0.2) D(0.2) E(0.35) F(1.0) G(2.5) H(4.0) I(6.0) J(10) K(16) L(25) M(40) N(60) O(100) P(160) Q(250) R(400) S(Other range or unit is on request)	<b>J</b>
2	Pressure type 01 Vented gauge 02 Absolute 03 Sealed gauge	<b>01</b>
3	Electrical connection A 4Wires B 5Wires	<b>B</b>
4	Power supply 01 1.5mADC 02 5VDC 03 10VDC 04 Other supply is on request	<b>01</b>
5	Pressure connection A(1/4"NPT) B(1/2"NPT) C(1/8"NPT) D(G1/4") E(G1/2") F(G1/8") G(PT1/4") H(PT1/2") I(PT1/8") J(Other pressure connection is on request)	<b>A</b>
6	Cable length 01 30cm 02 1m 03 2m 04 3m 05 4m 06 Other length is on request	<b>01</b>

Optional

Material of wetted parts stainless steel 316L or Ti	
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\*Specifications subject to change without notice, the latest date sheet please contact: sales@sendo-sensor.com