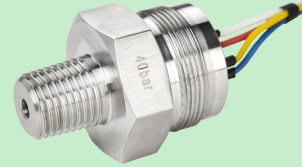


SS121E27 series piezoresistive standard pressure transducers

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



Descriptions

SS121E27 series piezoresistive standard pressure transducers are of all welded stainless steel construction, with integral media isolation diaphragm, no 'O' ring seals are used, maximum pressure range up to 20MPa. The size of housing, and the pressure/screw connection can be designed according to the request. A high performance piezoresistive silicon chip is used inside makes the SS121E27 have a great working performance, the accuracy can be 0.25%F.S., offering improved reliability and significantly lower production costs. Two types of electrical connections pins or wires is optional.

The SS121E27 series are the ideal basis for pressure transmitters, pressure switches or digital pressure instruments.

Parameters

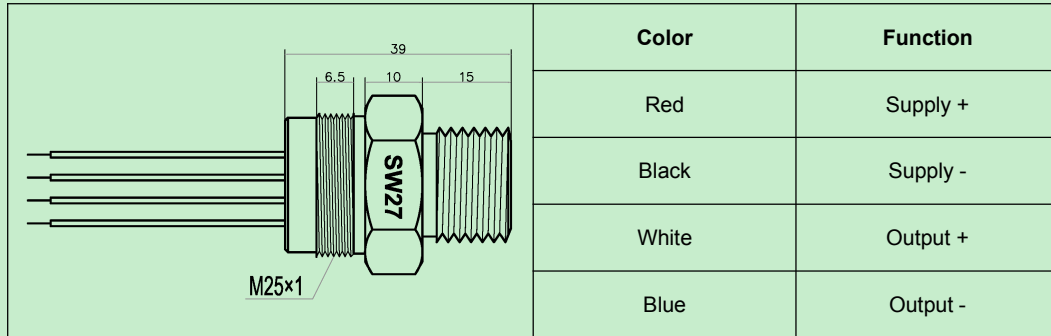
Power supply	1.5mADC (typical)	5VDC is on request
Zero output	±2mV	
Span output	100±20mV (typical)	
Accuracy	0.25%F.S. (typical)	
Measuring range	-100~0kpa, 0~10KPa...20MPa	
Overload	2.0*F.S.	
Temperature compensation	0~70°C	
Operating temperature	-20~100°C	
Storage temperature	-40~125°C	
Zero thermal error	±0.02%F.S./°C	
Input impedance	2.3KΩ~4KΩ	

Constructions

Pressure connection	See "ordering information"	
Diaphragm	Stainless steel 316L	
Housing	Stainless steel 304	
Filling liquid	Silicone oil	
Electrical connection	10cm silicon rubber flexible wires	Kovar pins is on request

SS121E27 series piezoresistive standard pressure transducers

Drawings & electrical connections



Ordering information

EXAMPLE: **SS121E27 J 01 B 01 A**

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(200) R(Other range or unit is on request)	J
2	Pressure type 01 Vented gauge 02 Absolute 03 Sealed gauge	01
3	Electrical connection A 4Kovar pins B 4Wires C 5Kovar pins D 5Wires	B
4	Power supply 01 1.5mADC 02 5VDC 03 10VDC 04 Other supply is on request	01
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)	A

Optional

Material of wetted parts stainless steel 316L or Ti	
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Contact us

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