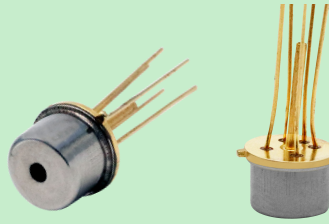


SS110 series TO-5 pressure transducers

- Vented gauge pressure
- Compact size $\varnothing 9.4 \times 7.0 \text{mm}$
- High performance-price ratio
- Non-temperature compensated
- 1.0mA, 1.5mA constant current supply
- 5VDC, 10VDC constant voltage supply
- Measure non-conductive, non-corrosive gas



Descriptions

SS110 series low cost PCB pressure transducer utilize a high performance piezoresistive silicon chip as the sensing element, packing sensor as TO-5 type. The measured pressure is transmitted onto the silicon chip through pressure port directly, and the pressure value can be transformed into output voltage signal by linearity relationship.

SS110 series offer constant current supply or constant voltage supply, could be used on PCB or small space fields to measure vented gauge pressure for non-conductive, non-corrosive gas.

Parameters

Power supply	1.5mADC (typical)	5VDC is on request
Zero output	Not adjusted ①	
Span output	100±20mV (typical)	
Accuracy(0~6bar...25bar)	0.5%F.S. @25°C (typical)	
Measuring range(Gauge)	0~35KPa...2.5MPa	
Overload	2.0*F.S.	
Temperature compensation	None	
Operating temperature	-20~100°C	
Storage temperature	-40~125°C	
Input impedance	2.3KΩ~4KΩ	

①: The zero output signal need to be adjusted by the clients.

Constructions

Housing	Stainless steel 304
Sensor	Silicon
Electrical connection	Kovar pins
Diameter	Ø9.4mm
Height	7.0mm
Weight	2g

SS110 series TO-5 pressure transducers

Drawings and electrical connections

Drawings		Electrical connections	
		PIN1: Supply +	
		PIN2: Output -	
		PIN3: Supply -	
		PIN4: Supply -	
		PIN5: Output +	

Ordering information

EXAMPLE: **SS110 G 01**

1	Pressure range(Bar)	G
	A(0.35) B(0.7) C(1.0) D(2.5) E(4.0) F(6.0) G(10) H(16) I(25)	
2	Power supply	01
	01 1.5mADC 02 5VDC 03 10VDC 04 Other supply is on request	

Contact us

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