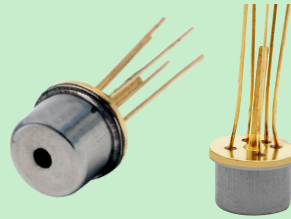


# SS110 series TO-5 pressure transducers

- Vented gauge or absolute
- Compact size Ø9.4\*7.0mm
- 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 or absolute pressure for non-conductive, non-corrosive gas.

## Parameters

Power supply	1.5mADC (typical)	5VDC is on request
Zero output	Not adjusted ⓘ	
Span output	100±20mV (typical)	
Accuracy (0...6bar to 25bar)	0.5%F.S. @25 °C (typical)	
Measuring range (Gauge)	0...0.1 bar to 25 bar	
Measuring range (Absolute)	0...1 bar to 25 bar	
Overload	2.0*F.S.	
Temperature compensation	None	
Operating temperature	-20 to 100 °C	
Storage temperature	-40 to 125 °C	
Input impedance	2.3 to 4 KΩ	

ⓘ: 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 & electrical connections

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

## Part number chart (How to order)

PART NUMBER REQUIRED: **SS110.PL.01.A.01 (EXAMPLE)**

1	Pressure range(bar)	PL
	PA(0...0.1) PB(0...0.2) PC(0...0.35) PD(0...0.5) PE(0...0.7) PF(0...1) PG(0...1.6) PH(0...2) PI(0...2.5) PJ(0...4) PK(0...6) PL(0...10) PM(0...16) PN(0...25) 1Z(Other pressure range or unit is on request)	
2	Pressure type	01
	01(Vented gauge) 02(Absolute) start from 1bar only	
3	Electrical connection ④	A
	A (5Pins mode)	
4	Power supply	01
	01(1.5mADC) 02(2mADC) 03(5VDC) 04(10VDC) 4Z(Other supply is on request)	

④: 5Pins connection: the zero signal can be set by clients.

## Contact us

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