

# SS205 series low cost pressure transmitters

## Features

- CE conformity
- Low cost and high quality
- Compact, rugged construction
- Stainless steel 316L diaphragm
- -40~105°C wider working temperature
- All stainless steel structure, no O-ring inside
- 0.5-4.5V, 0.5-5V, 1-5V, various voltage output
- Vented gauge, sealed gauge, absolute pressure



NO O-ring used inside

All stainless steel integrated structure

## Descriptions

SS205 series piezoresistive pressure sensors are the premium products of the SENDO OEM-line, it is a very classic sensor used in air, water, oil and other media compatible with stainless steel 316L, smart size, beautiful appearance, light weight only about 80g, all these make the SS205 series suitable to the applications with limited space and weight.

SS205 series are designed with all stainless steel structure, no O-ring is used for sealing inside, a high performance piezoresistive pressure transducer is assembled in the housing, giving excellent long-term stability. The flexible pressure sensor programme covers absolute, sealed gauge and vented gauge versions, measuring ranges from 0- 15psi to 3000psi and a wide range of pressure and electrical connections.

Typical applications: Industrial control and automation, air compressors: monitor the compressor performance, HVAC/R: monitor system performance for proper environmental control.

## Parameters

Supply voltage	5VDC	9...30VDC(optional)	
Output signal	0.5...4.5V	0.5...5V(optional)	1...5V(optional)
Measuring range	0...15psi to 3000psi		
Proof pressure	2.0 × F.S.		
Accuracy	1%F.S. @25°C		
	3%F.S. @-20 → 105°C		
Operating temp	-40 → 105°C		

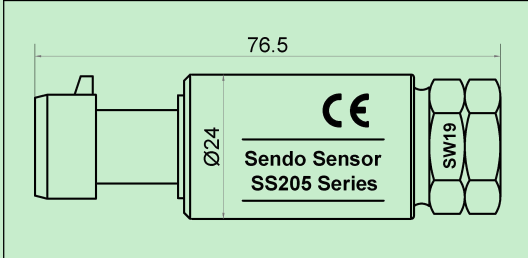
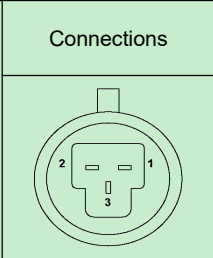
## Mechanical configurations

Pressure connection	7/16-20UNF(Female)
Electrical connection	3-pin round Packard
Sealing rating	IP65
O-ring	Not used
Housing	Stainless steel 304
Diaphragm	Stainless steel 316L

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## Drawings & electrical connections

Dimensions(Unit: mm)

	Connections	Pin	Function	Color
		1	Supply +	Red
		2	GND	Black
		3	Output +	Blue

## Ordering information

EXAMPLE: [SS205 PL 01 A 01 A 06](#)

1	Pressure range	PL
	NA(-1...0bar) PA(15psi) PB(30psi) PC(50psi) PD(75psi) PE(100psi) PF(150psi) PG(1bar) PH(1.6bar) PI(2.5bar) PJ(4.0bar) PK(7bar) PL(10bar) PM(16bar) PN(25bar) PO(40bar) PP(60bar) PQ(100bar) PR(160bar) PS(200bar) CA(-1...0.6bar) CB(-1...1.5bar) CC(-1...3bar) CD(-1...5bar) CE(-1...9bar) CF(-1...15bar) CG(-1...24bar) X(Other pressure range or unit is on request)	
2	Pressure type	01
	01(Gauge) 02(Absolute)	
3	Electrical connection	A
	A(3-pin round Packard)	
4	Pressure connection	01
	01(7/16-20UNF(Female)) 02(Other pressure connection is on request)	
5	Signal & supply	A
	A(0.5-4.5V & 5VDC) B(0.5-4.5V & 9-30VDC) C(0.2-4.5V & 5VDC) D(0.2-4.5V & 9-30VDC) E(1-5V & 9-30VDC) F(Other output signal is on request)	
6	Mating cable(Pig tail)	06
	01(1m) 02(2m) 03(3m) 04(4m) 05(5m) 06(None) 07(Other length is on request)	

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