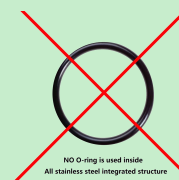


# SS205 series low cost pressure transmitters

## Features

- CE conformity
- Low cost and high quality
- Compact, rugged construction
- Stainless steel 316L diaphragm
- -40 to 100 °C wider working temperature
- All stainless steel structure, no O-ring inside
- Vented gauge, sealed gauge, absolute pressure
- 0.5-4.5 V, 0-5 V, 1-5 V and 4-20 mA current signal



NO O-ring used inside

All stainless steel integrated structure

## Descriptions

SS205 series low cost pressure sensor is compact, economical, rugged, direct-mount pressure sensor designed for use in commercial refrigeration and air conditioning applications, it supplies with internal thread 7/16-20 UNF Depressor pressure connection and Packard electrical connection as standard, gives a 4-20mA current or 0.5-4.5v, 0-10v voltage linear analog signal based on the sensed pressure from 0 - 1 bar to 200 bar in absolute, sealed gauge and vented gauge versions.

SS205 series is designed with all stainless steel structure and operate on the piezo-resistive measuring principle, the pressure measuring cell is fully welded and no O-ring is used for sealing inside, the sensor can be used with any corrosive or non-corrosive pressure medium that is compatible with stainless steel, including water, condensate, carbon dioxide, glycol, most refrigerants, including ammonia, and many other compatible fluids and gases.

## Technical data

Performance (EN 60770)

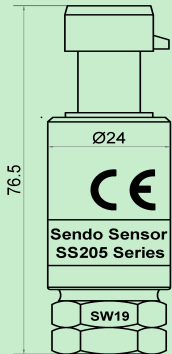
Supply voltage	5 VDC	9 to 30 VDC (optional)	
Output signal	0.5 to 4.5 V	0 to 5 V (optional)	4 to 20 mA (optional)
Measuring range	Minimum range: 1 bar Maximum range: 400 bar See more details in <a href="#">page 3 (part number chart)</a>		
Proof pressure	2.0 × F.S. (≤ 200 bar)		
	1.5 × F.S. (> 200 bar) and burst 400 bar		
Accuracy	1% F.S. @ 25 °C		
	3% F.S. @ -20 → 100 °C		
Medium temp range	-40 → +100 °C		
Ambient temp range	-20 → +80 °C (depending on electrical connection)		
Insulation resistance	> 100 MΩ at 250 V		

## SS205 series low cost pressure transmitters

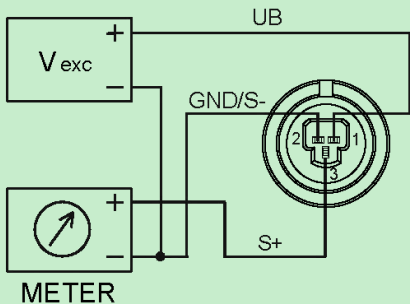
### Mechanical characteristics

Materials	Diaphragm	Stainless steel 316L
	Housing	Stainless steel 304
	Pressure connection	Stainless steel 304
	Electrical connection	Depending on the connection type
	O-ring	Not used, all stainless steel welding structure
Pressure connection	1/4 SAE female flare with deflator (7/16 - 20 UNF internal threads)	
Electrical connection	3-pin round Packard, Cable outlet	
Weight	100-200g (depending on pressure connection and electrical connection)	
Sealing rating	IP 65 (fulfilled together with mating connector)	

### Dimensions (Unit: mm)

Packard connection	Cable outlet connection
	

### Electrical connections

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

# SS205 series low cost pressure transmitters

## Part number chart (How to order)

PART NUMBER REQUIRED: **SS205.PL.01.A.01.A.06 (EXAMPLE)**

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(4bar) PK(7bar) PL(10bar) PM(16bar) PN(25bar) PO(40bar) PP(60bar) PQ(100bar) PR(160bar) PS(200bar) PT(0...250) PU(0...300) PV(0...350) PW(0...400) CA(-1...0.6bar) CB(-1...1.5bar) CC(-1...3bar) CD(-1...5bar) CE(-1...9bar) CF(-1...15bar) CG(-1...24bar) 1Z(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) B(Cable Outlet)	
4	Pressure connection	01
	01(1/4 SAE female flare / deflator) 02(1/8" NPT female) 03(1/4" NPT female) 04(1/2" NPT female) 05(9/16-18 UNF female) 06(7/16-20 UNF female) 4Z(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(0-5V & 9-30Vdc) G(0.5-4.5V & 5Vdc ratiometric) H(4-20mA & 9-30Vdc) 5Z(Other output signal is on request)	
6	Mating cable(Pig tail)	06
	01(1m) 02(2m) 03(3m) 04(4m) 05(5m) 06(None) 6Z(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



**WARNING: DO NOT USE THIS PRODUCT AS SAFETY OR EMERGENCY STOP DEVICE OR IN ANY OTHER APPLICATION WHERE FAILURE OF THE PRODUCT COULD RESULT IN PERSONAL INJURY OR EVEN DEATH.**