

SS207 series low cost pressure transmitters

Features

- CE conformity
- O-ring sealing inside
- Low cost and high quality
- Compact, rugged construction
- -20~105°C wider working temperature
- 0.5-4.5V, 0-5V, 1-5V, various voltage output
- Vented gauge, sealed gauge, absolute pressure
- A wide range of pressure and electrical connections



Stainless steel 316L diaphragm
Stainless steel sensor used inside

Descriptions

SS207 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 60g, all these make the SS207 series suitable to the applications with limited space and weight.

A high performance piezoresistive pressure transducer is assembled in the housing, the transducer floats on an O-ring seal and is therefore free of any housing stresses, giving excellent long-term stability. The flexible pressure sensor programme covers absolute, sealed gauge and vented gauge versions, measuring ranges from 0 15psi to 5800psi and a wide range of pressure and electrical connections. Typical applications: automotive: monitor the oil pressure, fuel pressure and brake system, HVAC/R: monitor system performance for proper environmental control, air compressors: monitor compressor performance.

Parameters

Supply voltage	5VDC	9...30VDC(optional)	
Output signal	0.5...4.5V	0...5V(optional)	1...5V(optional)
Measuring range	0...15psi to 5800psi		
Proof pressure	2.0 × F.S.(≤ 250 bar)		
	1.5 × F.S.(> 250 bar)		
Accuracy	1%F.S. @25°C		
	3%F.S. @-20 → 105°C		
Operating temp	-20 → 105°C		

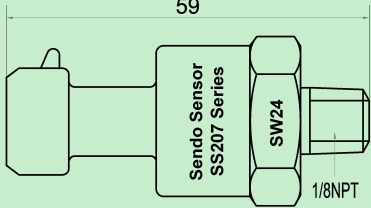
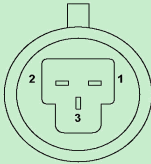
Mechanical configurations

Pressure connection	See Ordering information in page 2
Electrical connection	3-pin round Packard
Sealing rating	IP65
O-ring	Viton
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: [SS207](#) [PL](#) [01](#) [A](#) [03](#) [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) PT(250bar) PU(400bar) 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	03
	01(1/4"NPT) 02(1/2"NPT) 03(1/8"NPT) 04(G1/4") 05(G1/2") 06(G1/8") 07(PT1/4") 08(PT1/2") 09(PT1/8") 10(M10*1) 11(M10*1.25) 12(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(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