

SS208 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
- 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



NO O-ring used inside

All stainless steel integrated structure

Descriptions

SS208 series stainless steel pressure sensor is an automotive grade pressure sensor with hermetic pressure ports and an integral Packard electrical connector with standard pressure ranges from 0 to 1 bar, up to 400 bar. The sensor sets a new price performance standard for demanding engine and vehicle, and industrial applications, the electronics incorporates a microprocessor based amplifier, this means there are no adjusting pots and therefore the sensor is very stable, especially in high vibration / shock applications.

SS208 series is designed with all stainless steel structure, the housing and diaphragm is fully welded and no elastic rubber component or organic is exposed to the pressure media, having excellent durability and long-term stability. Typical applications: On and Off Highway Engines and Vehicles. HVAC Refrigeration Controls. Compressors. Hydraulics. Energy and Water Management.

Technical data

Performance (EN 60770)

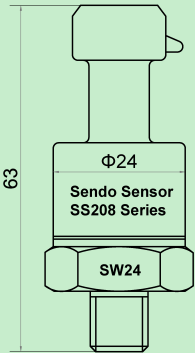
Supply voltage	5 VDC	9 to 30 VDC (optional)	
Output signal	0.5 to 4.5 V	0 to 5 V (optional)	1 to 5 V (optional)
Measuring range	Minimum range: 1 bar Maximum range: 400 bar See more details in page 3 (part number chart)		
Proof pressure	2.0 × F.S. (≤ 200 bar)		
	1.5 × F.S. (> 200 bar) and burst 400 bar		
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		

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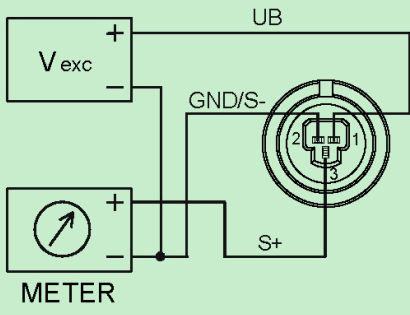
Mechanical characteristics

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	1/8" NPT or 1/4" NPT	More options see page 3 (part number chart)
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

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Part number chart (How to order)

PART NUMBER REQUIRED: **SS208.PL.01.A.03.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	03
	01(1/4" NPT male) 02(1/2" NPT male) 03(1/8" NPT male) 04(G 1/4" male) 05(G 1/2" male) 06(G 1/8" male) 07(PT 1/4" male) 08(PT 1/2" male) 09(PT 1/8" male) 10(9/16-18 UNF male) 11(7/16-20 UNF male) 12(1/2-20 UNF male) 13(3/8-24 UNF male) 14(M10 x 1.25 male) 15(M14 x 1.5 male) 16(M20 x 1.5 male) 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)	

Contact us

Company	Ningbo Sendo Electronic Technology CO., LTD	
Email	sales@sendo-sensor.com	
Email	cain.chen@sendo-sensor.com	
Factory	No 15, Yongxing 2nd Rd, Chengbei Industrial Park, Huizhou District, 245900 China	
Office	Building. 1#1108, Wante business center, Hi-Tech, 315040 China	
Website	http://www.pressuresensorsuppliers.com	http://www.sendo-sensor.com
Skype: sendosensor	WeChat: chenjie4884	WhatsApp: +8613616574884
Tel: 0086-0574-27725960	Fax: 0086-0574-27725970	Phone: 0086-13616574884

*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.