

SS201 series low cost 4-20mA pressure transmitters

Features

- CE conformity
- O-ring sealing inside
- Low cost and high quality
- Compact, rugged construction
- Stainless steel 316L diaphragm
- -20 to 100 °C wider working temperature
- Vented gauge, sealed gauge, absolute pressure
- A wide range of pressure and electrical connections



Stainless steel 316L diaphragm

Stainless steel sensor used inside

Descriptions

SS201 series 4-20mA low cost pressure transmitter is the premium product of the SENDO OEM-line, it is a highly reliable pressure transmitter incorporating stable piezoresistive pressure transducer and unique amplifier circuit. The transmitter is mainly used in benign environments including air, water, oil and other media compatible with stainless steel and FKM.

SS201 series is compact and light weight designed with DIN43650A / Hirschmann electrical connection and G1/4" or 1/4"NPT pressure connection. The transmitter has high strength stainless steel construction, pressures from 1 bar to 100 bar, it is an economical option for pressure sensing with unparalleled price and performance.

Technical data

Performance (EN 60770)

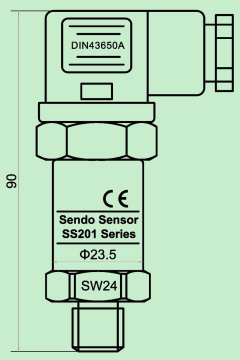
Supply voltage	9 to 30 VDC
Output signal	4 to 20 mA
Measuring range	Minimum range: 1 bar Maximum range: 100 bar See more details in page 3 (part number chart)
Proof pressure	2.0 × F.S. (≤ 250 bar)
	1.5 × F.S. (> 250 bar)
Accuracy	1% F.S. @ 25 °C
	3% F.S. @ -20 → 100 °C
Medium temp range	-20 → +100 °C
Ambient temp range	-20 → +80 °C (depending on electrical connection)
Insulation resistance	> 100 MΩ at 250 V

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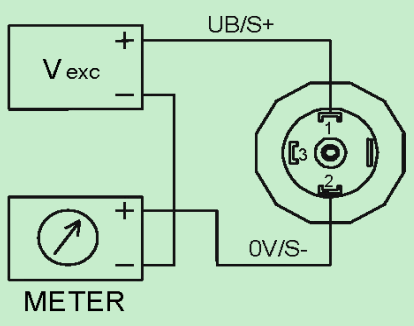
Mechanical characteristics

Materials	Diaphragm	Stainless steel 316L
	Housing	Stainless steel 304
	Pressure connection	Stainless steel 304
	Electrical connection	Depending on the connection type
	O-ring	FKM / Viton (typical) EPDM (optional)
Pressure connection	G 1/4" or 1/4" NPT	More options see page 3 (part number chart)
Electrical connection	DIN43650A (typical)	More options see page 3 (part number chart)
Weight	100-200g (depending on pressure connection and electrical connection)	
Sealing rating	IP 65 (fulfilled together with mating connector)	

Dimensions (Unit: mm)

DIN43650A connection	Cable outlet connection
	

Electrical connections

Connections	Pin	Function	Color
	1	Supply +	Red
	2	Output +	Black

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Part number chart (How to order)

PART NUMBER REQUIRED: **SS201.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) 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(DIN43650A) B(Cable Outlet) C(M12 × 1) D(LED Display) E(DIN43650C) F(Plug type) G(3-pin round Packard)	
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(4-20mA & 9-30Vdc)	
6	Cable length	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.