

SS634 series 4-20mA signal submersible pressure sensors

SS634 series 4-20mA submersible pressure sensors are designed to give accurate current readings at pressure ranges from 100mBar (corresponding to the water column depths of 1.0 m). These sensors are mature products in SENDO to measure liquid level and depth for many years. Their hermetically IP68 grade sealed housing makes them well suitable for immersion in almost all kinds of industrial liquids and oils.



The electrical connection is a special designed PU cable with air tube and the pressure connection part is an exposed 316L stainless steel corrugated diaphragm, no pressure port and no blocking problems, easy for daily maintenance. Typical applications including water and sewage treatment plants, water level monitoring at reservoirs, dams, down-hole water wells.

Technical data

Performance (EN 60770)

Accuracy @25°C (incl. non-linearity, hysteresis and repeatability)	±0.5% F.S.
Response time	< 4 ms
Overload pressure	2 × F.S.
Pressure range	0...10mbar to 20bar
Pressure type	vented gauge
Long term stability	≤0.2%F.S./Year
Temperature coefficient	±0.03%F.S./°C

Electrical specifications

Supply voltage	12-30V
Output signal	4-20mA (2-wire)

Mechanical characteristics

Materials	Diaphragm	Stainless steel 316L
	Enclosure	Stainless steel 304
	Cable	PU
Sealing rating	IP68	
Weight (depending on cable length)	0.5 - 5.0 kg	

Environmental conditions

Medium temperature range	-20°C → +85°C
Ambient temperature range	-20°C → +85°C
Compensated temperature range	0°C → +60°C

SS634 series 4-20mA signal submersible pressure sensors

Installation and precautions

- The installation place should be easy to operation and fixing
- When installation, the metal probe should sink to the bottom of the container
- The installation place should be away from the heat source as far as possible
- The installation place should be away from the vibration source as far as possible
- If the customer need to connect with other cable, waterproofing measures must be taken
- When the sensor put into the water, it is the best that the sensor can be fixed, and away from the inlet

Precautions for safety use

- Clean the metal probe(sensor) regularly to avoid block the pressure port
- The cable is a special waterproof cable, abrasion, puncture, and cut the cable is not allowed
- The wiring should strict reference to the electrical connection, wrong wiring will cause damage to the sensor
- A stainless steel 316L diaphragm is in the front part of the sensor, artificially foreign body touch is not allowed

Ordering information

EXAMPLE: [SS634 04 D 01 A](#)

1	Pressure range	04
	01 1m 02 2m 03 3m 04 4m 05 5m 06 6m 07 7m 08 8m 09 10m 10 Other range is on request	
2	Cable length	D
	A 2m B 5m C 8m D 10m E 15m F 20m G Other length is on request	
3	Test medium	01
	01 Water 02 Diesel 03 Other medium is on request	
4	Density	A
	A 1g/cm ³ B 0.85g/cm ³ C Other density is on request	

Contact us

Company	Ninghai sendo sensor co., Ltd	
Email	sales@sendo-sensor.com	
Email	cain.chen@sendo-sensor.com	
Address	Floor 5, building 2, no.48 jiujuan road, jianggan district, 310000 Hangzhou, China	
Website	http://www.pressuresensorsuppliers.com	http://www.sendo-sensor.com
Skype: sendosensor	We Chat: 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