

SS636 series submersible pressure sensors for level and depth applications

SS636 series submersible pressure sensors are designed by piezoresistive technology, enhanced double O-ring(viton) structure meet the IP68 grade protection, the hermetically sealed housing make them suitable for immersion in almost all kinds of industrial liquids. The sensors give a long term and accurate readings at pressure ranges from 100 mBar up to 20 Bar in the measurement of level and depth. (corresponding to water column depths of 1 m to 200 m).



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

Signal output	4-20mA	0-10V	0-5V/0.5-4.5V	0.5-4.5V
Supply voltage	9-30Vdc	11-30Vdc	10-36Vdc	5VDC
Polarity protected	yes	yes	yes	yes
Short-circuit protected	yes	yes	yes	yes

Mechanical characteristics

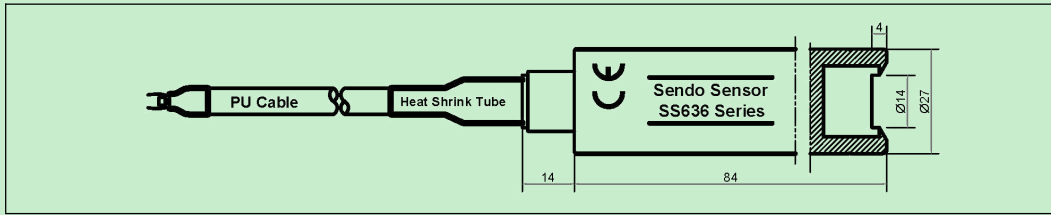
Materials	Diaphragm	Stainless steel 316L
	Enclosure	Stainless steel 304
	Cable	PU
Sealing rating	IP68	
Weight (depending on cable length)	0.5 - 5.0 kg	

Environmental conditions

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

SS636 series submersible pressure sensors for level and depth applications

Dimensions



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



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.

Ordering information

EXAMPLE: [SS636 04 D 01 A 01](#)

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	
5	Signal & supply	01
	01 4-20mA(9-30Vdc) 02 0-10V(11-30Vdc) 03 0-5V(10-36Vdc) 04 0.5-4.5V(10-36Vdc) 05 0.5-4.5V(5Vdc)	

SS636 series submersible pressure sensors for level and depth applications

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 data sheet please contact: sales@sendo-sensor.com