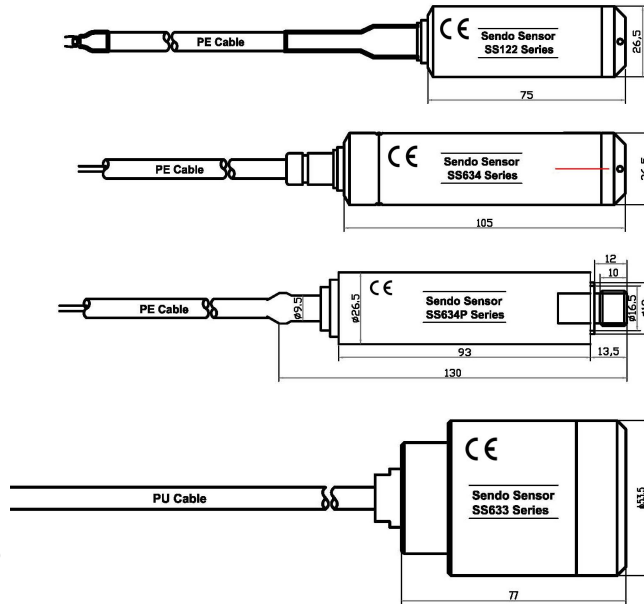


## SS634 Series Submersible Pressure Sensor for level and depth applications

## SS633 Series Submersible Pressure Sensor for harsh liquids and chemicals

- Hermetically Sealed
- Protective Cap Included
- CE and RoHS conformity
- Various power supply:  
1.5mADC, 5VDC, 12~36VDC
- Stainless steel 316L diaphragm  
(SS634,SS634P,SS122)
- All stainless steel integrated structure  
(SS634,SS634P,SS122)
- Pressure ranges in gauge or absolute  
from 0.05 up to 20 bar
- AK Fluids US silicon oil, nontoxicity  
good bio-compatibility
- Output signals: 4 - 20 mA,mV and ratio  
metric voltage output



### Description

SS122/634/634P series submersible pressure sensor use piezoresistive technology, all stainless steel integrated structure with IP68 grade, suitable for liquid level and depth measurement. Their all stainless steel, hermetically sealed housing makes them suitable for immersion in most industrial liquids and oils. They are designed to give accurate readings at pressure ranges from 50 mBar up to 20 Bar (corresponding to water column depths of 0.5 m to 200 m). The electrical connection is a special designed PE cable with air tube and the pressure connection part is an exposed 316L stainless steel diaphragm, no pressure port and no blocking problems, easy for daily maintenance. The all-welded design eliminates the need for an O-Ring seal, thereby eliminating potential leak paths. Typical applications include water level monitoring at reservoirs/dams, down-hole water wells, water and sewage treatment plants.

SS122 Series are designed with mV output signal with 1.5mA, 1.0mA, 3VDC or 5VDC supply.

SS634P Series are fitted with a welded pressure connection 1/4" BSP, as standard to give the very best in media compatibility and integrity other pressure connection is on request. Available with standard voltage and 4-20mA current outputs.

SS633 series PTFE submersible pressure sensor is constructed using PTFE material housing and ceramic capacitor sensor, designed to measure liquid level of harsh liquids and chemicals, and in most of aggressive media. Voltage and 4-20mA output signals allow users to interface for low current consumption or long distance transmission applications.

## SS634 Series Submersible pressure sensor for level and depth applications

## SS633 series Submersible pressure sensor for harsh liquids and chemicals

### Technical data

Performance (EN 60770)

Total error band inside the compensated temperature range	±0.5%
Response time	< 4 ms
Overload pressure	2.0 × FS
Pressure Range	0~5mbar...20bar
Pressure type	Gauge
Stability	≤0.2%F.S./Year
Temp Coefficient	±0.03%F.S./°C
Compensated temperature range	-10°C → +70°C
Medium temperature range	-40°C → +100°C
Ambient temperature range	-20°C → +80°C
Sealing Rating	IP68

### Ordering Informations

EXAMPLE: **SS634P 01 B 01 A 01 B**

1	Pressure Range	01
	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	B
	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 <sup>3</sup> B 0.85g/cm <sup>3</sup> C Other density is on request	
5	Output Signal	01
	01 4~20mA 02 0.5~4.5V 03 1~5V 04 mV 05 Other output is on request	
6	Power Supply	B
	A 5VDC B 12~36VDC C 1.5mA D 1.0mA E Other supply is on request	

\*lightning protection is on request.

\*High accuracy 0.25% is on request

\*OEM design is on request

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**SS634 Series Submersible pressure sensor for level and depth applications**  
**SS633 series Submersible pressure sensor for harsh liquids and chemicals**

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**Contact us**

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\*Specifications subject to change without notice, the latest date sheet please contact: [sales@sendo-sensor.com](mailto:sales@sendo-sensor.com)