

SS122 series submersible pressure transducers for level and depth applications

Descriptions

SS122 series submersible pressure transducers use piezoresistive technology, double O-ring sealed with IP68 grade structure, silicone oil filled inside, suitable for various kinds of liquid level or depth measurement.

The sensors are designed to offer mV output signal with current supply(1.5mA, 1.0mA) or voltage supply (3VDC, 5VDC) from pressure ranges 100 mBar up to 20 Bar (corresponding to water column depths of 1 m to 200 m).



Technical data

Performance (EN 60770)

| | |
|-------------------|----------------------|
| Accuracy | ±0.25% |
| Response time | < 1 ms |
| Overload pressure | 2 × F.S. |
| Pressure range | 0...100mbar to 20bar |
| Pressure type | vented gauge |
| Stability | ≤0.2%F.S./Year |
| Temp coefficient | ±0.03%F.S./°C |

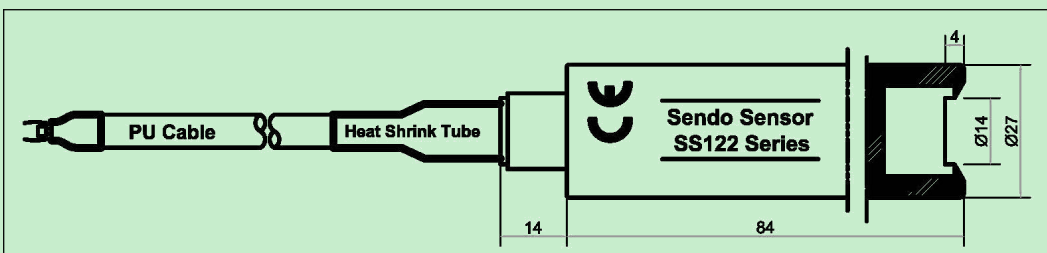
Environmental conditions

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

Mechanical characteristics

| | | |
|------------------------------------|--------------|----------------------|
| Materials | Diaphragm | Stainless steel 316L |
| | Enclosure | Stainless steel 304 |
| | Cable | PU |
| Weight (depending on cable length) | 0.5 - 2.0 kg | |
| Sealing rating | IP68 | |

Dimensions



SS122 series submersible pressure transducers for level and depth applications

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: **SS122 01 B 01 A 03**

| | | |
|---|--|----|
| 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 ³ B 0.85g/cm ³ C Other density is on request | |
| 5 | Power supply | 03 |
| | 01 5VDC 02 10VDC 03 1.5mA 04 1.0mA 05 Other supply 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