

## DESCRIPTION

The STB5300 series sensors, specifically designed for offshore equipment, are engineered for use in corrosive seawater environments. Their casings are constructed from seawater-resistant high-nickel alloys or titanium alloys. Operating on a piezoresistive principle, these sensors exhibit exceptional resistance to continuous vibration and corrosion, along with rapid response times and high measurement accuracy. They are suitable for various seawater pressure measurement applications, including underwater robotics, seawater desalination systems, marine and navigation systems, underwater sonar systems, as well as seawater cooling and chemical treatment processes.

## VALUE TO CUSTOMERS

- Compact design
  - High-precision
  - Resistant to seawater
- corrosionPOTENTIAL**
- ### APPLICATIONS
- Underwater robot
  - Seawater desalination system
  - Ships and Navigation Systems
  - Underwater Sonar and Liquid Level Measurement System



### **WARNING PERSONAL INJURY**

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

### **All potential use in**

aerospace, medical, transportation, agriculture, refrigeration, and industrial applications. To view the entire product portfolio, click our company's website.

Website: [www.stablesens.com](http://www.stablesens.com)

## PERFORMANCE SPECIFICATIONS

Pressure range	0–10MPa ( Customizable )
Pressure Accuracy	± 0.1%FS、± 0.3%FS、± 0.5%FS、± 1.0%FS
Output	0.2–3.2V、0.5–4.5V、RS485、RS232
Excitation	6–26VDC
Load Resistance	Current type: $R=(\text{Supply Voltage}-8V)/0.02\Omega$
Operating Temp. Range	-40–150°C
Proof pressure	150%
Temperature drift	± 0.02%FS/°C
Long term stability	± 0.2%FS/year
Electrical connector types	4P 端子
Liquid-contact material	Inconel 718、TC4

## ELECTRICAL CONNECTOR TYPE DIMENSIONS

