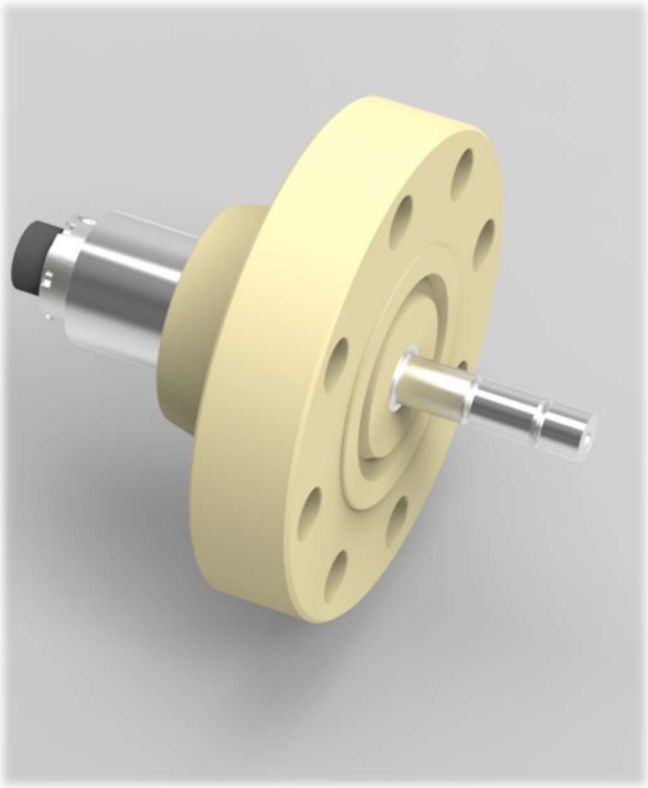
Subsea Pressure/Temperature (PT) Sensors



Subsea Sensors Inc. manufactures a line of pressure and temperature sensors for subsea O&G operations. These sensors are designed for working pressure up to 20,000 psi and seawater depths greater than 10000 ft. The sensors are available in single and dual pressure/temperature variants. Both temperature and pressure sensors are located within 0.5” of the probe tip allowing excellent dynamic response.

No structural welds are utilized in the design of the primary or secondary pressure barriers. Certifications and design standards include: ABS/DNV Certificate of Design Assessment, API 6A, API 17F

Technical Specifications:

Environmental Specifications:

MTBF – Design Life	>30 Years
Vibration	±5g, 25-2500Hz
Shock	20g Half Sine Pulse Duration 11 mSec
Hyperbaric Pressure	5kpsi
Media Temperature	-40C to 200C
Operating Temperature	-40C to 70C
Storage Temperature	-40C to 90C

Electrical Specifications:

Supply Voltage	11-40VDC
Output Signal	4-20mA, MODBUS, CANBUS

Material Specifications:

Process Materials	Inconel 718 Hastelloy C276 SuperDuplex S32750
Process Connection	API 6A,
Available flanges	2-1/16” thru 4-1/16 "
Probe diameter	1.75”
Probe length	0.75 to 24 inch
Secondary Containment	25ksi

Pressure Specifications:

Pressure Sensor	Sputtered Thin Film
Pressure Ranges	Up to 25,000 psi
Maximum Over Pressure	1.5 times range
Accuracy	±0.1% F.S.
Temperature Effect - Span	±0.01%/8C
Temperature Effect - Zero	±0.015%F.S./8C

Temperature Specifications:

Temperature Sensor	100Ω Platinum RTD
Accuracy	±0.1% F.S.
Drift	<0.1% F.S./ Year

(713)425-2545
Sales@subseasensorsinc.com

Subsea Sensors Inc.
10700 Corporate Drive #108, Stafford, TX 77477