

SUBSEA PRESSURE SENSOR



The compact subsea pressure transmitter ESPS 3000 is designed for use in almost all subsea applications, and offers a reliable pressure measurement, even under harsh environmental conditions.

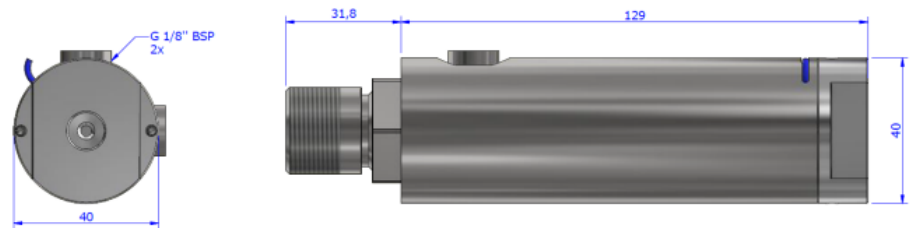
Key Features

- High accuracy
- Wetted parts made of stainless steel
- Compact and robust design
- Pressure ranges from 0 to 2200 Bar
- For temperatures up to 125°C.
- Submersible to 3000M seawater
- Service and user friendly
- 4-20mA or RS232 / CAN-Bus COMS

Specifications

Accuracy (incl. nonlinearity, hysteresis and repeatability)	±0.5% FS					
Thermal zero point shift	<± 0.15% FS/ 10K					
Thermal span shift	<±0.15% FS/ 10K					
Response time liquids (10-90%)	> 0.5 ms					
Durability, P: 10-90% FS	>10 ×10 ⁶ cycles					
Nominal Pressure [bar]	250	400	600	1000*	1600*	2200*
Overload Pressure	500	800	1400	2000	2500	3000
Burst Pressure	2500	4000	>4000	>4000	>4000	>4000

Media Temperature Range	-40oC → +125oC
Ambient Temperature Range	-15oC → +70oC
Compensated Temperature Range	-15oC → +70oC
Electrical Performance Compliance	ISO 7637
Vibration stability	[20g, 10-2000 Hz, sinus] EN 60068-2-6
Shock Resistance	[100g] EN 60068-2-27
Pressure Reference	Atmosphere (Relative) *
Output Signal	4-20mA or RS232 / CAN-Bus
Supply Voltage	8 to 30VDC
Connector Type	G5507-1508*

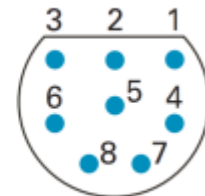


Connector Pin-Out 4-20mA

- Pin 01: 0V
- Pin 02: 24VDC
- Pin 03: 4-20mA
- Pin 04: NC
- Pin 05: NC
- Pin 06: NC
- Pin 07: NC
- Pin 08: NC

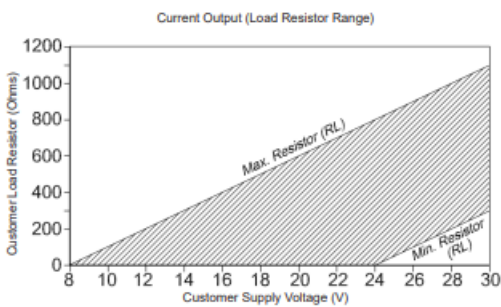
RS232 / CAN-Bus

- Pin 01: 0V
- Pin 02: 24VDC
- Pin 03: CAN Hi
- Pin 04: Can Lo
- Pin 05: RS232 TX
- Pin 06: RS232 RX
- Pin 07: RS232 GND
- Pin 08: NC



5507-1508 Face view

4 to 20mA output - min. / max. resistance vs supply voltage



Note:
Loop current should not exceed 22 mA continuous or 25 mA temporarily due to pressure peaks

