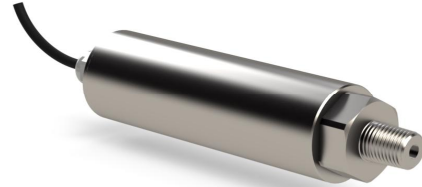




S401 Subsea Pressure Transmitter

Pressure feedback for Marine, offshore and submersible applications

- Pressure range set to customer's requirement
- Compact and self-contained
- High durability and reliability
- High accuracy and stability
- IP68 sealed to 10bar/IP69K
- Sealed gauge type



The S401 is a high quality 316 stainless steel subsea pressure transmitter intended for use in the measurement of gasses and liquids in submerged marine and offshore applications.

With additional EMI/ RFI protection, low static and thermal errors and high resistance to shock and vibrations as standard, the S401 assures trouble free operation at temperatures up to 125°C. The piezo resistive sensing element coupled with the latest ASIC circuitry, assures excellent accuracy, choice of high level outputs and long stability, protected with a rugged, stainless steel housing.

Measurements are available with ranges up to 2000bar and are backed by a one year warranty.

SPECIFICATION

Dimensions	
Body diameter	35 mm
Body length	119.5mm to 121.5mm (depending on option)
<i>For full mechanical details see drawing S401-11</i>	
Temperature Coefficients	
Mean TC Offset	≤0.15 % of the range
Mean TC Range	≤0.15 % of the range
Environment	
Measuring medium	-40...125°C
Ambience	-40...105°C
Storage	-40...125°C
Compensated range	-20...85°C
Sealing	IP68 10bar/ IP69K
Vibration	25 G peak, 20 to 2000 Hz
Shock	1000 G, 11 msec, 1/2 Sine
Performance	
Accuracy @ RT	<0.5% of the range
Non-linearity	% of the range ≤0.15
Repeatability	% of the range ≤0.10
Stability/year	% of the range ≤0.10
Response Time	(10...90%) t(ms)1
Overrange pressure	Up to 2x rated pressure
Burst pressure	Up to 5x rated pressure
Pressure cycles	> 10 million
Current consumption	< 10 mA

TABLE OF OPTIONS

Pressure Range (bar): 0.6, 1, 1.6, 2.5, 4, 6, 10, 16, 25, 40, 50, 60, 100, 160, 250, 400

For other pressure ranges please contact Positek

ELECTRICAL INTERFACE OPTIONS

OUTPUT SIGNAL	SUPPLY INPUT
0-10V	12-32V DC
0-5V	8-32V DC non ratiometric
1-5V	8-32V DC non ratiometric
0.5-4.5V	5V ratiometric
4-20mA	10-32V DC
I ² C DIGITAL	5V DC

Cable 50cm standard. Any length can be specified.

Mounting Option G1/4" Male or 1/4" NPT Male

For further information please contact:

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S401-17b