

Half Inch Pressure Sensor

The Half Inch Pressure sensor by Prime Technology is the first sensor offered in such a small size especially designed for the requirements of the Towed Array market where a small size results in an improved facility of deploying and retrieving the array.

Our sensor has been certified by NIST (National Institute of Standards and Technology) for its accuracy and stability. It is offered in the 0 to 1,000 psia pressure range.

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Half Inch Pressure Sensor

Accuracy : 0.04% Static error band (includes Hysteresis, Non-Linearity, Non-Repeatability, Temperature) over compensated range.

Survival Pressure: 2,500 psi

Pressure Range: 0 – 1,000 psi

Output: Half duplex RS-485 (MODBUS)

Input Supply: 8.75 – 9.35 V DC / 35 mA DC Max

Operating temperature Range: -20C to 50oC

Stability: +/- 0.04% of Full Scale per annum.

Pressure port material: Inconel

Housing material: 316L Stainless Steel

Weight: 2 oz.

Connections:

- Pressure: 10-32 UNF
- Electrical: 4 Pins (Diameter: 0.030")
 - o Pin 1: Power (+)
 - o Pin 2: RS485(A)
 - o Pin 3: Power (-)
 - o Pin 4: RS485(B)

