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## ABH500PSC1B



Actual product appearance may vary.

**AB/HP Series Flush Mount Pressure Sensor, Unamplified, Sealed Gage, 0 psi to 500 psi, Item Number 9222503**

### Features

Flush-mount option  
 To 0.25% accuracy  
 Wide choice of pressure ranges available  
 0 psi to 6 psi with ranges through 0 psi to 10,000 psi  
 Adaptable design  
 PSIA models  
 For critical applications  
 Installed in customer fixtures  
 Applicable to special packaging  
 Wide range of applications  
 Measures in vacuum region

### Potential Applications

Liquid-level measurement  
 Landing gear hydraulic pressure  
 Vehicle braking systems  
 Physiological monitors  
 Geophysical research  
 Engine monitor control

### Description

The AB-High Performance pressure transducer is extremely accurate down to 0.25% span over a wide compensated temperature range. Both zero and full-scale temperature compensation are held to extremely narrow limits. The transducer's body is made in a configuration permitting its use as a 'flush mounted' device in situations where ease of cleaning or low-fluid volumes are major requirements. It may also be mounted in an adapter for more conventional installations. Made from 316L or 155PH stainless steel, the AB/HP offers premium performance and flexibility at OEM prices.

### Supporting Documentation

- [▶ Dimensions and Circuitry](#)
- [▶ Documentation](#)

Product Specifications	
Measurement Type	Sealed Gage
Signal Conditioning	Unamplified
Pressure Range	0 psi to 500 psi
Supply Voltage	5.0 Vdc, 6.0 Vdc max.
Maximum Overpressure	1,000 psi
Burst Pressure	2,500 psi
Port Style	Flush Diaphragm
Temperature Compensation	Yes
Output Type	0 mV to 100 mV
Accuracy	0.25% full scale BFSL
Response Time	less than 0.5 ms
Input Impedance	150 ohms ± 50 ohms
Output Impedance	115 ohms ± 25 ohms
Insulation Resistance	1000 Mohms @ 50 Vdc max.
Output Calibration	Yes
Termination Type	0,91 m [3 ft] 4 - Conductor Shielded Cable
Weight	57 grams [2.0 ounces]
Full Scale Span	100 mV ± 1 mV
Operating Temperature Range	-54 °C to 93 °C [ -65 °F to 200 °F]
Compensated Temperature Range	-1 °C to 71 °C [30 °F to 160 °F]
Storage Temperature Range	NO IDEA SHARED FORMULA EXP PTG
Media Compatibility	Limited only to those media which will not attack 15 -5PH stainless steel
Approvals	CE
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	AB/HP

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