



Home > Products > Stainless Steel Media Isolated > AB/HP > Product Page

Order Product and Get Support

- U.S. Authorized Distributors
- Global Sales & Service
- N. American Sales Reps
- Distributor Inventory
- Technical Assistance
- White Papers
- Literature Request
- Test and Measurement Catalog
- RoHS Product List
- Customer Feedback

ABH01KPSBB



Actual product appearance may vary.

AB/HP Series Flush Mount Pressure Sensor, Unamplified, Gage, 0 psi to 1,000 psi, Item Number 9223504

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 1,000 psi
Supply Voltage	5.0 Vdc, 6.0 Vdc max.
Maximum Overpressure	2,000 psi
Burst Pressure	5,000 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	Bendix High Temperature Connector
Weight	57 grams [2.0 ounces]
Full Scale Span	100 mV ± 1 mV
Operating Temperature Range	-54 °C to 150 °C [-65 °F to 300 °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 155PH stainless steel
Approvals	CE
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	AB/HP

My Links

[Login to iCOM](#)
[Login as Rep/AD](#)
[Login as Guest](#)
[Login to Digital University](#)

Keyword Search

Search for product and support information.

All Sensing and Control

Product Search

Part number search:

Use (*) to expand search

[Specification Search](#)