



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

ABH02KPSC1B



Actual product appearance may vary.

AB/HP Series Flush Mount Pressure Sensor, Unamplified, Sealed Gage, 0 psi to 2,000 psi, Item Number 9222505

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 2,000 psi                                                        |
| Supply Voltage                | 5.0 Vdc, 6.0 Vdc max.                                                     |
| Maximum Overpressure          | 4,000 psi                                                                 |
| Burst Pressure                | 10,000 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              | 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                                                                     |

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