Honeywell

Honeywell Sensing and Control

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Actual product appearance may vary.

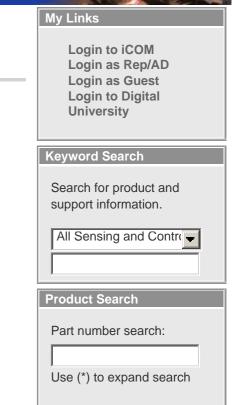
Features

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

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

Potential Applications

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



Specification Search

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

Documentation

Dimensions and Circuitry

Product Specifications Sealed Gage Measurement Type Signal Conditioning Unamplified 0 psi to 1,000 psi Pressure Range 5.0 Vdc, 6.0 Vdc max. Supply Voltage Maximum Overpressure 2,000 psi **Burst Pressure** 5,000 psi Port Style Flush Diaphragm **Temperature Compensation** Yes 0 mV to 100 mV Output Type 0.25% full scale BFSL Accuracy **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 15 -5PH stainless steel
Approvals	CE
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	AB/HP