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ABH015PGC1B



Actual product appearance may vary.

AB/HP Series Flush Mount Pressure Sensor, Unamplified, Gage, 0 psi to 15 psi, Item Number 9220102

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	Gage
Signal Conditioning	Unamplified
Pressure Range	0 psi to 15 psi
Supply Voltage	5.0 Vdc, 6.0 Vdc max.
Maximum Overpressure	30 psi
Burst Pressure	75 psi
Port Style	Flush Diaphragm
Temperature Compensation	Yes
Output Type	0 mV to 100 mV
Accuracy	0.5% 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 316L stainless steel
Approvals	CE
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	AB/HP

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