**APPLICATIONS**

- Respirators
- Fire Fighting Equipment
- Drilling Mud Density
- Kidney Dialysis Machines
- Hydraulic Servo Valves
- Gas Monitoring
- Transit Vehicle Braking Systems
- Aircraft Hydraulics
- Diesel Generators

**MODEL AB/HP • FLUSH MOUNT GENERAL PURPOSE, HIGH PRESSURE TRANSDUCER**

The AB is ideal for a wide range of applications. That’s because it has a variety of mounting options, stainless steel construction, and wide pressure ranges. In addition, the AB has two thermally matched strain gages, and it is fully compensated and calibrated. Its output is a stable 0-100 mV from an excitation of 5 Vdc.

The AB may be flush-mounted or fitted with an external adapter. It also may be fitted with an optional integral connector or waterproof cable fitting. The flush mounting capability allows it to be used in applications where sanitary or cleaning requirements exclude using pressure ports.

**FEATURES**

- Flush mount option
- 0-6 to 0-20,000 PSI ranges
- Custom designs available
- PSIA and bi-directional models

**BENEFITS**

- Permits maximum cleanliness
- Wide range of applications
- Adaptable to special needs
- Measures vacuum referenced to absolute or atmospheric pressures

**HOW TO ORDER**

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>ABH</th>
<th>006</th>
<th>P</th>
<th>G</th>
<th>C</th>
<th>B</th>
<th>3</th>
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<tbody>
<tr>
<td>Range</td>
<td>006</td>
<td>015</td>
<td>025</td>
<td>050</td>
<td>100</td>
<td>200</td>
<td>500</td>
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<tr>
<td>Unit</td>
<td>P</td>
<td>G</td>
<td>C</td>
<td>B</td>
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<td></td>
<td>PSI</td>
<td>PSI</td>
<td>Cable</td>
<td>PSI</td>
<td>Feet</td>
<td>Feet</td>
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</tr>
</tbody>
</table>

**Special Features**

- 3 = Barbed Fitting at Cable
- B = 0-100 mV

**Output**

1 = 3 feet
4 = 12 feet
5 = 15 feet
6 = 30 feet
7 = 50 feet

**Cable Length**

**Termination**

C = Cable
B = Bendix Connector
S = Sealed (PSIS) > 50 PSI

**Reference**

A = Absolute < 100 PSI
G = Gage < 100 PSI
S = Sealed (PSIS) > 50 PSI

Note: Not all combinations are available. Minimum quantity orders apply. Contact the factory for more details.
**AB/HP Series**

**Flush Mount General Purpose, High Pressure Transducer**

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**Technical Specifications**

**Ranges**
- 0-6, 15, 25, 50 PSIG or PSIA
- 0-100, 200, 500, 1000, 2000, 3000, 5000 PSIS
- 0-10,000, 15,000, 20,000 PSIS

**Physical**
- **Proof Pressure**: 2 X rated range, 30,000 PSIS (2068 B) max.
- **Burst Pressure**: 5 X rated range, 50,000 PSI (3448 B) max.
- **Material in Contact**: <100 PSI 316L SS with Media ≥100 PSI 15-5 PH SS
- **Shock**: 50 g’s peak (11 milliseconds)
- **Vibration**: Meets Mil-STD-810-C, Figure 514.2-5, Curve AF; 46.3 g rms min.
- **Weight**: 2 oz (57 gm) less cable and adapter

**Electrical**
- **Full Scale Output**: 100 ± 1 mV at rated excitation @ 25°C
- **Zero Output**: 0.0 ± 5.0 mV @ 25°C
- **Excitation**: 5.0 Vdc recommended, 6.0 Vdc max.
- **Input Impedence**: 150 ± 50 Ω
- **Output Impedence**: 115 ± 25 Ω
- **Insulation Resistance**: 1000 MΩ @ 50 VDC max.
- **Electrical Connection**: 4 Conductor, shielded cable 3 ft (0.91 m) long

**Performance**
- **Accuracy**: 0.25% FSO from best fit straight line including effects of nonlinearity, hysteresis and nonrepeatability
- **Operating Temperature Range**: -54°C to 93°C (-65°F to 200°F)
- **Temperature Range**: -54°C to 149°C (-65°F to 300°F) with Bendix Connector Option
- **Compensated Temperature Range**: -1°C to 71°C (30°F to 160°F)
- **Thermal Effect on Zero**: Less than ±1% FSO per 100°F within compensated temperature range
- **Thermal Effect on Full Scale Output**: Less than ±1% per 100°F within compensated temperature range

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**Dimensions**

**Pressure Ranges (PSI) Dim. A MAX**
- 0-6 0.271 (6.9)
- 0-15 to 0-50 0.232 (5.9)
- 0-100 to 0-1000 0.238 (6.1)
- 0-2000 to 0-5000 0.273 (6.9)
- 0-10000 to 0-15000 0.287 (7.3)
- 0-20000 0.295 (7.5)

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**Warranty/Remedy**

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer’s sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

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**Item # 1075700 M.G. 3/01 Rev. A**