

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.

BENEFITS

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

Model ABH

Range 006

006	100	01K	10K
015	200	03K	15K
025	500	05K	20K
050			

Unit P

P = PSI

Reference G

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

Termination C

C = Cable
B = Bendix Connector
High Temperature

Cable Length 1

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

Output B

B = 0-100 mV

Special Features 3

3 = Barbed Fitting at Cable

Note: Not all combinations are available. Minimum quantity orders apply. Contact the factory for more details.

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
with Media <100 PSI 316L SS
≥100 PSI 15-5 PH SS

Shock 50 g's peak (11 milliseconds)

Vibration Meets Mil-STD-810-C, Figure 514.2-5,
Curve AP, 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 Impedience $150 \pm 50 \Omega$

Output Impedience $115 \pm 25 \Omega$

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° to 93°C (-65° to 200°F)
-54° to 149°C (-65° to 300°F)
with Bendix Connector Option

Compensated Temperature Range -1° to 71°C (30° to 160°F)

Thermal Effect on Zero Less than $\pm 1\%$ FSO per 100°F within
compensated temperature range

Thermal Effect on Full Scale Output Less than $\pm 1\%$ per 100°F within
compensated temperature range

Note: All specifications are measured at 25°C and rated excitation unless otherwise stated.

Note: For mounting devices, contact factory.

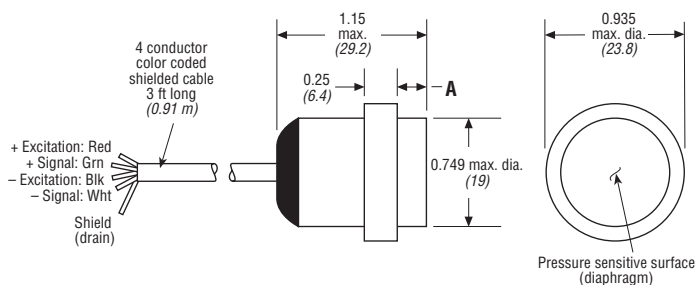
Note: External O-ring included.

*0.5% Accuracy for <50 PSI and ≥10,000 PSI Units, 1% Accuracy for 20000 PSI Units.

DIMENSIONS

xx.xx = inches

(xx.x) = mm



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)

PIN AND WIRE CODES

(Pin codes are for optional bendix connector)

Pin Code	Wire Color Code	Function
A	Red	+ Excitation
B	Green	+ Signal
C	White	- Signal
D	Black	- Excitation

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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Honeywell

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