



Small Wonder

Accurate. Flexible. And among the smallest sensors in its class.

A Sensor Made for Today's Small, Smart Systems

With low power and "Internet of Things" devices expanding into many industries, design engineers are challenged like never before to enhance product capabilities while reducing size. Honeywell ABP Series sensors can help you meet these aggressive goals – saving board space, costs and design time while delivering a wonderful combination of **performance, precision** and **flexibility**.

Performance

Even after long-term use and exposure to thermal extremes, these sensors stay on the job, minimizing calibration needs and enhancing uptime.

- Industry-leading long-term stability: $\pm 0.25\%$
- Amplified analog and digital outputs

Precision

Help ensure that your product meets today's exacting demands.

- Industry-leading accuracy: $\pm 1.5\%$ total error band (TEB)

Flexibility

Small and accurate – yet still economically priced – the ABP Series fits a variety of applications.

Adding to its versatility are wet liquid media compatibility, a wide pressure range (1 to 150 psi), low power consumption with sleep mode that allows incorporation into battery-powered devices, a temperature output option and on-board self-diagnostics.

Honeywell Sensing and Productivity Solutions

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ABP SERIES AT A GLANCE

- Silicon-based, piezoresistive sensors
- 7 mm x 8 mm (0.27 in x 0.31 in) base package
- Calibrated and temperature compensated for sensor offset, sensitivity, temperature effects and nonlinearity using on-board ASIC
- Output – 14-bit I2C / SPI digital or ratiometric analog
- Wide pressure range – 60 mbar to 10 bar | 6 kPa to 1 MPa | 1 psi to 150 psi
- Extremely low power consumption with energy-efficient sleep mode and diagnostics
- Wet liquid media compatible – Meets IPC/JEDEC J-STD-020D.1 Moisture Sensitivity Level 1
- REACH and RoHS compliant

IDEAL FOR APPLICATIONS INCLUDING:

Medical

- CPAP
- Blood pressure monitoring
- Hospital beds
- Oxygen concentrators
- Ventilators/portable ventilators
- Wound therapy

Industrial

- Air brakes
- HVAC
- Process gas monitoring
- Valve positioning and positioners

Commercial

- Air beds
- Coffee makers
- Washing machines

FITTING AN ABP SENSOR INTO YOUR DESIGN

Backed by our expert applications support, you'll find it fast and easy to incorporate the ABP Series.

For more information about sensing and control products, visit sensing.honeywell.com, call **+1-800-537-6945**, or email inquiries to info.sc@honeywell.com

