

## *News Release*

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### **HONEYWELL INTRODUCES ONE OF THE INDUSTRY'S SMALLEST AMPLIFIED DIGITAL PRESSURE SENSORS TO HELP REDUCE DESIGN, MANUFACTURING COSTS**

#### ***Highly Accurate, 8-by-7 Millimeter Sensors Are Ideal for Low Power, Internet of Things Applications***

MINNEAPOLIS, Aug. 17, 2015 – Honeywell (NYSE: HON) today announced its new Amplified Basic Pressure (ABP) sensor, one of the smallest amplified digital pressure sensors in the industry, to help engineers design systems that fit on increasingly smaller and lower power devices. The ABP sensor features wet-media compatibility, as well as sleep mode and temperature output options, making it a versatile choice for Internet of Things (IoT) applications.

Measuring 8 by 7 millimeters, the ABP sensor's small size will help engineers significantly save board space and reduce design and manufacturing costs, while maintaining enhanced performance and reliability of the systems they design.

The ABP sensors will be among the most accurate of their kind with a  $\pm 1.5$  percent total error band (TEB), and capable of reading pressure ranges from 60 mbar to 10 bar, 6 kPa to 1 MPa and 1 psi to 150 psi. This will enable engineers to better optimize system performance by improving resolution and system accuracy.

"Low power systems and the 'Internet of Things' are expanding into many industries. As a result, engineers have more pressure now to develop not just smarter, but smaller systems to fit these emerging trends," said Dan Herzog, product line director, Honeywell Sensing and Productivity Solutions. "Our new amplified digital basic pressure sensors were designed to help engineers meet these aggressive design goals by saving valuable space and cost without compromising the end product's performance."

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## 2-ABP Sensors

The release of the new ABP sensors expands Honeywell's Basic Pressure Sensors portfolio, which launched in 2012 and includes both uncompensated (NBP) and compensated (TBP) versions. The new ABP sensor will be the first amplified pressure sensor in this series that will simplify installation by minimizing the need for additional components and engineering time to design the sensor into the application. The sensor is available in both analog and digital output I2C or SPI.

The new sensor's moisture sensitivity level of one will allow for unlimited shelf life when stored at <30°C/85% RH. Under most storage conditions, this allows for the sensor to be soldered onto the PC-board without concerns about solder joint quality due to aging of the sensor terminals, minimizing the concern about aging of the terminals prior to assembly to the PC-board.

For more information, follow [@HONSensorSwitch](#) on Twitter or visit [sensing.honeywell.com](http://sensing.honeywell.com) on the Web.

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Honeywell Sensing and Productivity Solutions (S&PS) is a global leader providing custom-engineered sensors, switches and controls, and productivity solutions built around our high performance data collection hardware including rugged mobile computers, voice-enabled software, bar code scanners, radio frequency identification (RFID) and workflow printing solutions. Our solutions serve customers in aerospace, automotive, field service, healthcare, industrial, manufacturing, medical, retail, supply chain, test and measurement, and transportation and logistics markets. We provide unparalleled precision and durability that improves efficiency, increases operational productivity and enhances customer service capabilities. For more information on Honeywell sensing products, visit <http://sensing.honeywell.com> and on Honeywell productivity solutions visit <http://www.honeywellaidc.com>.

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