

## News Release

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### **HONEYWELL'S WING UNION-HAMMER UNION PRESSURE SENSOR PORTFOLIO STANDS THE TEST OF "GRIME" WITH NEW OFFERING**

- *Used in Circulating Systems to Safely and Efficiently Measure Mud and Media Flow*
- *Optimizes Oil Withdrawal Rate*
- *Robust Construction with Stainless Assembly and Inconel® X-750 Wetted Parts*
- *Approved and Certified Globally for Hazardous Locations*

MINNEAPOLIS – Nov. 10, 2014 - [Honeywell](#) (NYSE:HON) announced today that it has extended its Wing Union/Hammer Union Pressure Sensor portfolio with the addition of two new models, 435 and 437, and a protective cage option. These accurate, highly durable, configurable pressure sensors are built to measure drilling fluid pressure and flow to keep oil field equipment operating while preventing damage or equipment failures.

The new models, offering pressure ranges of 5,000 psi up to 20,000 psi, provide a durable all-welded, stainless assembly with Inconel® X-750 wetted parts, which protect against abrasive and corrosive media. Having been tested to endure vigorous amounts of shock and vibration, the pressure sensors provide reliable performance. The protective cage option offered on the new models provides protection against miss-hits during installation of the wing union and offers additional electrical connector protection on the pressure sensor. It is RFI/EMI protected and is CE approved. All configurations of the new models are intrinsically safe and carry global approvals; cFM<sub>US</sub>/ATEX/IEC-Ex certification; for use in hazardous environments.

“At Honeywell, we aspire to innovate and develop new products that help solve customers’ problems,” said David Smith, product marketing specialist for Honeywell Sensing and Control. “The new wing unions are designed to be rugged, yet sensitive, offering highly reliable and robust pressure sensors for measuring mud and media flow and a choice of sensor models that best fits our customer’s drilling environment.”

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High accuracy is expected with the new models. Model 435 offers a standard accuracy of  $\pm 0.2\%$  BFSL and a higher accuracy of  $\pm 0.1\%$  BFSL, which enables increased sensitivity to pressure measurements in typical oil and gas operations. Model 437 offers a standard accuracy of  $\pm 0.2\%$  BFSL and is available with a wider aperture port than the Model 435. This enables uniform flow of different viscous media through the critical sensing area, helping to maintain consistent accuracy.

Other benefits with the new models are a shunt calibration option that allows users the ability to validate the sensor output in the field, ensuring the sensor is actively plugged into the system. Additional ordering options include: multiple electrical connectors, wiring options, protective cage, and calibration points.

The product line is ideal for demanding land-based and off-shore applications including, but not limited to, acidizing, choke manifold, fracturing and cementing, mud pumps/mud logging, new well development and extraction, oil and gas drilling, service and cement trucks, standpipe, stimulation, and well head measurement.

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#### **Additional Information**

- [Download the product datasheet](#)
- [For additional product information](#)

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Honeywell Sensing and Control is a leading global supplier of custom-engineered sensors, switches, machine safeguarding and other devices that offer enhanced precision, repeatability and durability. Sensing and Control products are used in a variety of original equipment manufacturing applications across the medical, industrial, transportation, aerospace, and test and measurement segments. For more news and information on Honeywell Sensing and Control, please visit <http://sensing.honeywell.com>.