

Honeywell Rolls Out Advanced Wing Union Sensor for Oil & Gas Exploration



Honeywell has expanded its popular Wing Union sensor portfolio with two new models designed to meet the changing demands of global upstream oil and gas exploration and drilling, where maximizing productivity and avoiding downtime are critical.

Model 425 - High Accuracy @ ± 0.1 % BFSL (Best Fit Straight Line)

This sensor is now available with a higher level of accuracy so that operators can monitor downhole drilling conditions and detect pressure spikes more precisely, leading to quicker adjustments and greater control. This allows operators to drill longer, more productively and more efficiently.

Model 427 - With Free Flow Sensing Port @ ± 0.2 % BFSL (Best Fit Straight Line)

The wider aperture design with its rounded edges allows a seamless flow of more viscous media through the critical sensing area, reducing clogging and buildup while providing consistent and accurate pressure measurements. Drilling productivity is increased and downtime is reduced, which optimizes overall operations.

“Customers around the world have relied on Honeywell’s rugged Wing Union pressure sensors for their oil and gas applications for more than 20 years,” said Phil Geraffo, VP/GM Test and Measurement Products, for Honeywell Sensing and Control. “We work closely with our customers to continually refine and improve our designs and technology to meet the challenges and changing conditions they face in the

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Published on Electronic Component News (<http://www.ecnmag.com>)

field. These new products are a logical and exciting extension of our popular Wing Union platform, enabling us to offer a wider range of solutions to meet different customer needs.”

The new Models 425 and 427 are built on Honeywell’s time proven, durable Wing Union one-piece all-welded design, which features Inconel® X-750 wetted parts to withstand abrasive and corrosive material. Each model also features a quick release “breakaway” handle which facilitates easy field installation and helps reduce potential sensor damage in the field. Honeywell’s Wing Union reliability and a more favorable 1-year calibration cycle versus the industry standard 6-month calibration cycle also helps keep the focus on drilling, not servicing.

Wing Unions, also known as Hammer Unions, are typically used in oil and gas exploration and drilling. The sensor resides in the circulation system where changes in pressure spikes can indicate different geological conditions encountered by the drill, which may require adjustments to the drilling process or media flow in order to maintain constant drilling operations.

Many popular configurations of Models 425 and 427 Wing Union Pressure Transducers are readily available through the Honeywell Test and Measurement Quick Ship Program to meet immediate customer needs.

Get more information on these products -

<https://measurementsensors.honeywell.com/news/newproducts/Pages/WingUnionPressureSensors.aspx> [1]

Source URL (retrieved on 10/24/2014 - 4:36pm):

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