

# Wing Union / Hammer Union Pressure Sensors

**Honeywell**



## Stand the test of grime

Honeywell Wing Union and Hammer Union pressure sensors are built rugged and oilfield tough to stand up to the rigorous demands of today's oil and gas drilling applications and environments. And they have the sensitivity to ensure precise, reliable measurements every time. The result: Optimized drilling operations. Less downtime. And maximum productivity.

**T**oday's oil and gas exploration and drilling applications demand products built oilfield tough, to provide long term reliability and accurate measurements, and above all to promote overall productivity in challenging environments both on land and off-shore.

Honeywell's 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 which best fits your drilling environment.

Built on Honeywell's 20-year, time proven one piece platform design, all models provide highly accurate and reliable data to help operators detect small changes in media flow pressure, allowing quick pressure adjustments during drilling to optimize oil withdrawal rates, profile potentially dangerous conditions, and increase the safety of the drilling experience.

## For Any Environment

Honeywell offers several Wing Union pressure sensors to choose from – including sensors with higher accuracy for additional precision and sensitivity as well as sensors with a wider aperture design for use with today's more viscous media blends.

## Reliable and Durable

All-welded stainless steel construction with one-piece pressure element design of Inconel® X-750 wetted parts isolates abrasive and corrosive drilling media from sensitive internal electronics.

## Easy to Install and Service

Designed for quick field installation including horizontal or vertical mounting, with field-repairable connectors. Access to zero and span adjustments by removing the electrical connector to prevent ingress failures and deter tampering.

## Designed for Longevity

Hit it and forget it—Honeywell's class leading reliability plus 12-month calibration lets you install it and move on. Long in-service performance means less downtime, fewer field replacements and lower overall service costs.

## Readily Available

When you need a replacement unit in the field, we make it quick and easy for you. We ship our most popular Wing Union configurations in less than five days, with other configurations available within two weeks.

## Ideal for Demanding Land-Based and Off-Shore Applications

- 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
- Well head measurement

### All Models Feature:

- Rugged, all-welded, stainless steel design
- Inconel® X-750 wetted parts for additional durability with abrasive or corrosive media
- 0 psi to 20000 psi range
- RFI/EMI protected
- Optional one wire (with IS approval) or two-wire (without IS approval) shunt calibration allows validation of the offset signal in the field, ensuring the sensor is actively plugged into the system
- Intrinsically safe option available
- CE approved; CSA/ATEX certification



### Model 424 Wing Union Pressure Sensors

- ±0.2% BFSL (Best Fit Straight Line) accuracy
- Compatible with Weco® 2202 fittings



### Model 425 / Model 425 High Accuracy Wing Union Pressure Sensors

- Choose ±0.2% BFSL standard accuracy or ±0.1% BFSL high accuracy
- Compatible with Weco® 1502 fittings



### Model 427 Free Flow Wing Union Pressure Sensors

- ±0.2% BFSL accuracy
- Wide aperture design for use with more viscous media blends
- Compatible with Weco® 1502 fittings

#### WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, 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. In no event shall Honeywell be liable for consequential, special, or indirect damages.

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. 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.

**Honeywell**