

## **Innovative Sensing Solutions, Engineered Oilfield Tough**



# Oil and Gas Applications

**Our sensors are designed and built oilfield tough – for rugged, reliable and dependable performance out in the field.**

No other quality defines success in the oil and gas business as much as a single word: reliability. It is an industry where risk is often part of the business, yet minimizing risk may make or break the project. It's a place where dependable, accurate data maximizes production. And production dictates success.

For more than 50 years, Honeywell pressure sensors, load cells, switches, operator controls, Limitless™ Wireless Solutions and other products have provided outstanding reliability and accuracy to make their mark in the oil and gas industry. Tough enough for many of the world's harshest land or offshore environments, and engineered to deliver consistent accuracy, Honeywell offers one of the most comprehensive product portfolios available to the oil and gas industry.



# One name for reliability, ruggedness and versatility: Honeywell

## Comprehensive Portfolio

If you have a critical measurement to be made in the oilfield – from pressure and load, to torque, displacement or other measurements – Honeywell products are trusted for more accurate and reliable performance. We have a broad portfolio of sensors to meet nearly any application need.

## Application Knowledge and Expertise

When you have a tough oilfield application, you need a trusted partner with years of real-world experience in the oil and gas industry. With Honeywell, you have that partner. Our expertise with intrinsically safe designs, explosion-proof requirements and approval organizations such as FM, CSA, Cenelec, ATEX and DNV give you peace of mind and superior product performance.

## Quality and Reliability

Oilfield components need to provide durable performance in some of the harshest environments. With our attention to design detail, rigorous manufacturing processes and integration of high-quality materials, Honeywell sensors offer reliability and accuracy over the long term.

## Faster Delivery

Need it fast? We'll deliver the product you specify in the shortest time possible, even if it's a customized solution. Hundreds of stocked catalog products are out the door within five days or less.

## Custom Engineering

Have an idea of what you need, but no "standard" part seems just right? Our engineers will design a custom solution to your specifications by making minor – or sometimes major – modifications to our sensors. In-house design, engineering and manufacturing expertise means fast delivery for even large batches of custom-engineered solutions.

## Calibration and Repair

Need calibration or repair of your test and measurement products? Our facilities provide repair and certified calibration services for Honeywell and non-Honeywell products. Our calibration services conform to industry procedures and/or standards such as ISO 9001:2000, A2LA to ISO/EIC 17025, ANSI/NCSL Z540-1, ISO 10012-1, MIL-STD-45662A and ASTM E74.



# POTENTIAL OIL AND GAS APPLICATIONS

Using our extensive technology resources and working closely with each customer, Honeywell delivers cost-effective, tailored solutions to meet a wide variety of needs. Basic or complex applications, requiring enhanced precision, repeatability and ruggedness, custom or off-the-shelf products – our products are built to support the demands of the oil and gas industry.

- **Well Stimulation**

- Acidizing
- Fracturing
- CO<sub>2</sub> injection
- Gel mixing

- **Well Intervention**

- Coiled tubing
- Cementing
- Casing joint torque
- Well casing
- Workover

- **Well Logging**

- Wireline force
- Slickline tension
- LWD

- **Production**

- Wellhead measurements
- Subsea pressure measurement
- BOP controls
- Sucker rod
- Submersible pumps

- **Drilling**

- MWD
- Power tongs
- Torque turns
- Mud pumping
- Hook loads
- Standpipe pressure
- GEO steering
- Downhole tools
- Choke manifold pressure
- Directional drilling
- Horizontal drilling

- **Special Services**

- Options and accessories
- Calibration
- Special documentation
- Read-out and monitoring instrumentation
- Design engineering services

**Products and Technologies:**

- Accelerometers
- Instrumentation
- Limitless Wireless Solutions
- Load Cells
- MICRO SWITCH Basic Switches
- MICRO SWITCH Limit Switches
- MICRO SWITCH Hazardous Location Limit Switches
- Operator Controls
- Pressure Sensors
- Transducers – Pressure, Differential Pressure, Displacement, Torque
- Torque Shafts



From the factory floor to the furthest distribution center, Honeywell keeps more global enterprises industrious. Our breadth of components, standard interfaces and engineering expertise offers unmatched value down the line – powerful solutions for any industrial need.

Honeywell solutions help customers worldwide in research and development, design, quality testing, manufacturing and system monitoring in many different industries, challenging applications and rugged environments.

**Warranty.** Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment 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 that Honeywell, in its sole discretion, 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 website, it is the buyer's sole responsibility 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 writing. However, we assume no responsibility for its use.

**For more information:**

To learn more about Honeywell sensing and control products, call 800.537.6945, visit [sensing.honeywell.com](http://sensing.honeywell.com) or email inquiries to [info.sc@honeywell.com](mailto:info.sc@honeywell.com).

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