

# Honeywell SmartLine® Wireless Pressure

Industry-leading technology for wireless monitoring and control



# BEYOND TRADITIONAL INSTRUMENTATION



*Reduces transmitter maintenance from hours to minutes with over-the-air firmware update capability*



*70% longer range for less hardware infrastructure than other wireless technologies*



*Enhanced meter bodies to help lower device replacement costs, also inventory upto 50%*



*Better than 20dB attenuation of aliasing-noise signals for the pressure PV to improve performance in control applications*



*Seamless integration with Honeywell's best-in-class Experion® control system*



*Compliant with ISA100 Wireless™, the most capable industrial wireless standard*

Today, industrial organizations with demanding operating environments require advanced field instruments for applications ranging from wellhead monitoring, gas detection and tank level gauging, to vibration monitoring.

Many process plants have both wired and wireless infrastructure in place, allowing the use of either for new installations and projects. However, hard-wired instrumentation can be costly and difficult or time-consuming to implement for measuring process variables in certain areas.

Most facilities have or will deploy wireless systems. As such, users are deploying wireless systems as their first choice and it is important to choose the best available solution when planning wireless technology investments.

Experience has shown that wireless technology makes it easier and less costly to get data from various plant processes. Up to 90% of the installed cost of measurements can be for cable conduit and related construction, which is largely unnecessary with wireless field devices.

A growing number of industrial operations are now realizing the value of wireless technology:

- Measure new, hard-to-connect process points simply, safe and securely
- Obtain and utilize previously inaccessible information
- Provide a redundant measuring point from an independent communication pathway
- Easily meet regulatory requirements
- Improve process efficiency



*Honeywell SmartLine  
Wireless Pressure Transmitter*



## WHY CHOOSE HONEYWELL

Plant owners/operators seek a modern wireless solution that addresses the high capital, installation and lifecycle costs associated with traditional instruments. They need a wireless platform that is reliable, secure, scalable and easy to use, and interoperates with existing wireless installations to protect technology investments.

As the world leader in industrial wireless, Honeywell has installed hundreds of wireless applications across the globe. While the requirements for each installation may vary, each project shares the ultimate goal of increasing efficiency, safety and reliability.

Honeywell offers a complete portfolio of wireless products, including: network infrastructure; data access and mobile computing devices; safety and security products; specialty products for applications such as tank level and corrosion monitoring; and field instrumentation for temperature, pressure, voltage, and valve position monitoring.

## Superior Network Performance

Despite the clear advantages offered by wireless device networks for monitoring process operations, not all wireless solutions are the same. Some suppliers only support a single wireless standard. This keeps users from choosing the best instrument for a given application.

Honeywell is recognized as a pioneer in the industrial wireless market, as evidenced by its multi-protocol-capable OneWireless™ network infrastructure. OneWireless is the first solution to support the two leading industrial wireless protocols, ISA100 Wireless™ and WirelessHART™, so customers aren't limited in their choices when implementing a wireless system.

Honeywell designed its wireless system so that industrial sites could install a single high-performance network for process monitoring with the flexibility to add more critical applications, like control, when and if they are ready.

## NEW LEVEL OF WIRELESS CAPABILITY

SmartLine Wireless Pressure continues Honeywell's leadership by providing a scalable and future-proof wireless pressure measurement solution. It seamlessly integrates with the best-in-class Experion® control system, as well as Honeywell's Connected Plant portfolio for addressing core industry problems through a connected Industrial Internet of Things (IIoT) architecture. The new series of transmitters is compliant with the ISA100 Wireless protocol and interoperates with other devices on the OneWireless network.

## Designed to Meet Control Requirements

SmartLine Wireless Pressure is the result of continuous evolution of Honeywell wireless technology. This solution removes the anxiety of wireless adoption by offering cost-effective transmitters that are compliant with the most capable industrial wireless standard.

Now, these robust devices have been enhanced with performance suitable for process control as part of a site-wide industrial wireless strategy. This development, unique in the industry, keeps pace with end user demands and provides a clear path to meeting future application requirements.

SmartLine Wireless transmitters are designed for challenging installations with no access to power, or where manual readings are typically taken.

# ADVANTAGES FOR NEW AND EXISTING USERS

Honeywell OneWireless Network and SmartLine Wireless Pressure offer significant performance and cost advantages for both new and existing users of industrial wireless technology by:

- Providing a robust wireless network with increased power, faster update rates, reduced infrastructure requirements and wider deployment options
- Incorporating increased noise reduction techniques to improve performance in control applications
- Simplifying installation and commissioning
- Offering a broader range of publication rates
- Enhancing the maintenance experience with the ability for over-the-air firmware updates keeping all wireless transmitters synchronized from a desktop
- Utilizing long-life commodity batteries
- Operating off 24-volt power, optionally, in the field

The OneWireless network also provides industry-best cyber security capabilities, including end-to-end AES-128-bit encryption, unique (non-visible) join keys and rotating session keys.

Honeywell customers currently utilizing our legacy XYR™ 6000 wireless transmitters can painlessly add SmartLine Wireless Pressure to their networks and have both interoperating seamlessly. The new transmitters employ an enhanced meter body to reduce device plant-wide inventory costs, and are backed by Honeywell over their service life.



## Local Support You Need

As a major automation supplier, Honeywell provides industry-leading measurement, control and safety system technology to process industry companies around the world. We offer proven field instrumentation solutions, with reliable products and systems that enable our customers to monitor and control their plant operations for optimal performance.

Honeywell integrates comprehensive project execution methodologies with local resources offering expert product service and repair, as well as immediate spare parts availability. Our proactive lifecycle support services enable crucial assets like transmitters and other field devices to remain accurate and reliable while avoiding potential failures and associated downtime.

## For More Information

To learn more about Honeywell SmartLine Wireless Pressure, visit [www.process.honeywell.com](http://www.process.honeywell.com) or contact your Honeywell account manager.

## Honeywell Process Solutions

1250 West Sam Houston Parkway South  
Houston, TX 77042

Honeywell House, Arlington Business Park  
Bracknell, Berkshire, England RG12 1EB UK

Shanghai City Centre, 100 Zunyi Road  
Shanghai, China 200051

[www.process.honeywell.com](http://www.process.honeywell.com)

SmartLine® and Experion® are registered trademarks, and XYR™ and OneWireless™ are trademarks of Honeywell International, Inc. All other trademarks are the property of their respective owners.

BR-18-41-ENG | June 23  
©2023 Honeywell International Inc.

**Honeywell**