

XYR 6000 Wireless Transmitters



Honeywell OneWireless XYR 6000 Wireless Transmitters break down the barriers to monitoring variables in areas where traditional hard-wired transmitters are too costly, difficult or time consuming to implement. These instruments are designed for applications with no access to power, that are remote or difficult to access, that require frequent changes in instrumentation schemes, or where manual readings are typically taken.

The XYR™ 6000 transmitter family includes instruments for accurately monitoring gauge pressure, absolute pressure, differential pressure, temperature, and corrosion. The line also includes an analog input interface for adding wireless capabilities to 4-20 ma devices.

The instruments wirelessly transmit to a gateway or to multiple communication nodes. These nodes wirelessly intercommunicate, forming a managed, secure and redundant network. Each gateway can communicate with multiple wireless nodes accepting the signals of up to 400 transmitters. The gateway also interfaces with a PC-based Wireless Server, which offers configuration capabilities and communications with your control system. The gateway and each associated node is also an 802.11 b/g wireless interface for flexible remote communications.

Enjoy the Benefits of Wireless Technology Today

Designed to integrate seamlessly with XYR 5000 transmitters and meet future wireless standards, Honeywell provides future compatibility and scalability.

Improve Product Quality

With XYR 6000 transmitters, you can easily increase the number, frequency and types of measurements. Additionally, you can improve accuracy and consistency by replacing manual readings with automated online data collection. Online communication with your control system also helps ensure precise time tracking of information for use in troubleshooting process problems.

Ensure High Uptime

With more frequent measurements and early detection of asset problems, you can reduce or even prevent incidents.

Reduce Maintenance and Operational Cost

These transmitters allow you to monitor a range of assets to support proactive, predictive maintenance. Additionally, XYR 6000 transmitters help identify potential problems that can be costly in terms of excess use of energy and raw materials. Once XYR 6000 instruments are in place, you also can redirect personnel who recorded data manually to more productive tasks.



Meet Regulatory Requirements

XYR 6000 can help meet regulatory requirements by recording changes and sending data to the control system for date and time stamping. In addition, the instruments allow flexible monitoring of process variables throughout critical phases of your process. In fact, the transmitters can even move with the process.

XYR 6000 transmitters support safety by making data available in the control room and thus reducing human exposure to hazardous areas and products. The transmitters also help improve water treatment processes and reduce environmental impact by enabling online measurement of additional remote variables, such as waste pond level, which are often measured only locally.

Enhance Flexibility

Because XYR 6000 transmitters are so easy and affordable to install, you can add or change measurements as needed. This flexibility supports process improvement and development of new and better products in pilot plants.

Choose Honeywell's OneWireless solutions to implement an industrial wireless infrastructure, providing significant benefits beyond avoiding the wiring costs.

Multi-functional mesh: Single network supporting both sensors and 802.11 Wi-Fi applications for simple network management.

Self-contained and predictable power management: Ensure uptime, day or night, with no additional devices and with optimal use of the 10-year battery shelf life.

Multi-speed monitoring: Meet plant condition monitoring needs for alarms and events with one-second updates and standard configurations.

End-to-end industrial security: Protect plant information and ensure safe operations with advanced communications encryption.

Reliability and performance: Optimize performance by sharing the airwaves and prioritizing messages so critical information is received first. Features a robust architecture with latency control and redundancy for safe wireless control.

Scalable: Customize to your business needs, from a single sensor to a total in-plant network utilizing limited bandwidth.

Global solution: Standardize on one product for best use in worldwide facilities.

Multi-protocol: Allow connection to any plant system and inherently support transport of existing protocols.

Open: Provide choices based on existing 802.11 standards for cost-effective solutions.

Investment protection: Support and expand existing products with a solution ready for emerging standards.

Proven partner: Choose a partner with proven applications, a robust installed base and expert services.

Overcome Measurement Hurdles

Cost: Going wireless means faster, easier installation and wire savings of \$10 to \$40 foot.

Time: Simplified installation leads to faster startups and accelerated profits. Local and remote device configuration provide extra flexibility.

Range: The instruments transmit measurements up to 610 m (2,000 ft).*

Accuracy: Gauge pressure, differential pressure, temperature and analog input devices offer exceptional accuracy of $\pm 0.1\%$ of full scale readings at reference conditions.

Reliability: Reliable XYR 6000 transmitters feature long battery life (up to 10 years) and a low-battery alarm. Self-checking software and hardware continuously monitor operation to identify and report device parameters that are out of specification. In addition, signal interference is avoided by employing Frequency Hopping Spread Spectrum (FHSS). This technique modulates the data signal with a carrier signal that periodically "hops" from frequency to frequency across a wide band of frequencies.

Ruggedness: Rated for industrial use, XYR 6000 transmitters go where you don't want to go-hazardous, remote or hard-to-access locations.

** Line of sight. Actual range may vary depending upon plant topography.*

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More Information

To learn more about Honeywell's wireless solutions, visit www.honeywell.com/ps/wireless or contact your Honeywell account manager.

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