

Honeywell XYR 5000™ Wireless Transmitters

Extending Your Online Measurement Capabilities—
Easily, Flexibly, Affordably

The pressure is on to improve your process and take product quality to the next level, to operate flexibly and maintain high uptime, to meet regulatory requirements and cut operating costs. All with less resources. How will you accomplish these goals if the information you need is too difficult or expensive to access?

Introducing Honeywell Wireless Transmitters

Honeywell XYR 5000 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 Honeywell XYR 5000 family includes instruments for accurately monitoring gauge pressure, absolute pressure, temperature, and ultrasonic noise (for detecting steam and gas leaks). The line also includes an analog input interface for adding wireless capabilities to 4-20mA devices.

The instruments wirelessly transmit their measurements to a base radio connected to a control system or data acquisition device such as a recorder or PC. Each base radio accepts the signals of up to 50 transmitters. The base radio also interfaces with Honeywell's PC-based Wireless Configuration Tool, which offers real-time indication, trending, reporting, and configuration capabilities. The base radio is available with Modbus or 4-20mA analog signal output for flexible communications with your control system.

Enjoy the Benefits of Wireless Technology Today

Designed to integrate seamlessly with control platforms such as Honeywell Experion PKS®, XYR 5000 Wireless Transmitters provide information that helps you to achieve key objectives:

Improve Product Quality - With XYR 5000 transmitters, you can easily increase the number, frequency, and type of measurements. In addition, you can improve accuracy and consistency of measurement 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 trouble-shooting process problems.



Overcome Measurement Hurdles

- **Cost** - Going wireless means faster, easier installation and wiring savings of \$10 to \$40 per foot.
- **Time** - Simplified installation leads to faster start-ups and accelerated profits. Local and remote device configuration provide extra flexibility.
- **Range** - The instruments transmit measurements up to 2,000 ft. (line of sight)*.
- **Accuracy** - Gauge pressure, absolute pressure, temperature, and analog input devices offer exceptional accuracy of $\pm 0.1\%$ of full-scale reading at reference conditions.
- **Reliability** - Reliable XYR 5000 transmitters feature long battery life (3 to 5 years) and a low-battery alarm. Self-checking software and hardware continuously monitor instrument operation to identify and report sensor or device parameters that are out of specification. In addition, the instruments avoid signal interference by employing Frequency Hopping Spread Spectrum (FHSS). This technique modulates the data signal with a carrier signal that over time "hops" from frequency to frequency across a wide band of frequencies.
- **Ruggedness** - Rated for industrial use, XYR 5000 transmitters go where you don't want to: hazardous, remote, or hard-to-access locations.

*Actual range may vary depending on plant topography.

Ensure High Uptime - With more frequent measurements and early detection of asset problems, you can reduce or even prevent incidents and accidents.

Reduce Maintenance and Operational Costs - These transmitters allow you to monitor a whole range of assets (e.g., furnaces, pumps, heat exchangers, steam traps) to support proactive, predictive maintenance. Additionally, XYR 5000 transmitters help identify potential problems that can be costly in terms of excess use of energy and raw materials. Once XYR 5000 instruments are in place, you also can redirect personnel who recorded data manually to more productive tasks.

Meet Regulatory Requirements - XYR 5000 transmitters can help you 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 5000 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 waste 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 5000 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.

Honeywell Stands Behind You

If staffing resources are tight, Honeywell can provide additional support to ensure your success with wireless transmitters. Honeywell's service personnel provide installation services as well as periodic service programs for instrument verification and maintenance, and they are specially trained to deliver service in the most tightly regulated environments. Flexible service programs can be tailored based on product volume to ensure you receive the most cost-effective support. With Honeywell Services, you will receive accelerated and continuous benefits from rapid, effective installation and on-going maintenance.

Find Out More

To learn more about Honeywell XYR 5000 Wireless Transmitters or other field instrument solutions, contact your Honeywell representative or access: www.honeywell.com/imc.

WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective material and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during that period of coverage, Honeywell will repair or replace 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.

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.

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