

Honeywell XYR 5000 Wireless Transmitters



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, differential pressure, temperature, and ultrasonic noise (for detecting steam and gas leaks). The line also includes an analog input interface for adding wireless capabilities to 4-20 ma devices, a discrete inputs and outputs option and optional external antennas.

The instruments wirelessly transmit their measurements to a base radio connected to a control or data acquisition system. Each base radio accepts the signals of up to 100 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 4-20 ma 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 achieve key objectives:

Improve Product Quality

With XYR 5000 transmitters, you can easily increase the number, frequency and types of measurements. Additionally, 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 troubleshooting process problems.

Ensure High Uptime

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

Reduce Maintenance & Operational Costs

These transmitters allow you to monitor a whole range of assets (e.g. furnaces, pumps, heat exchangers, steam traps) to support proactive,



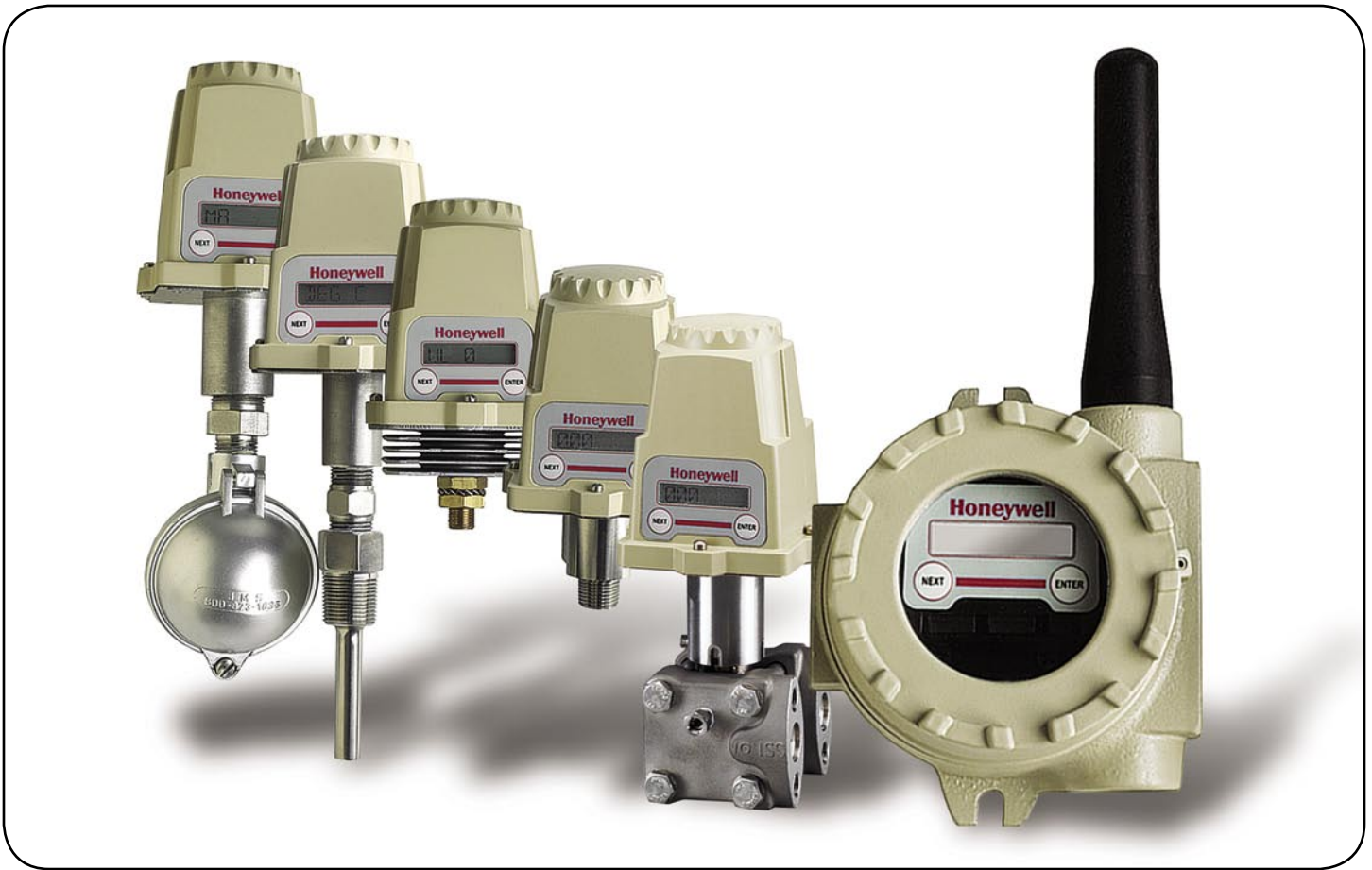
predictive maintenance. Additionally, XYR 5000 transmitters help identify potential problems that can be costly in terms of excess use of energy and raw materials. Once XYR 5000 instruments are in place, you also can redirect personnel who recorded data manually to more productive tasks.

Meet Regulatory Requirements

XYR 5000 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 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 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.

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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.

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 5000 transmitters feature long battery life (3 to 5 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 5000 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.

Find out more

For an on site demo or further information contact your Honeywell representative.

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