XYR 5000 Wireless Transmitters

SIMPLE. SAFE. SECURE.

Honeywell Solutions for Wireless Data Acquisiton and Monitoring

Honeywell

No Wire.

No Problem.

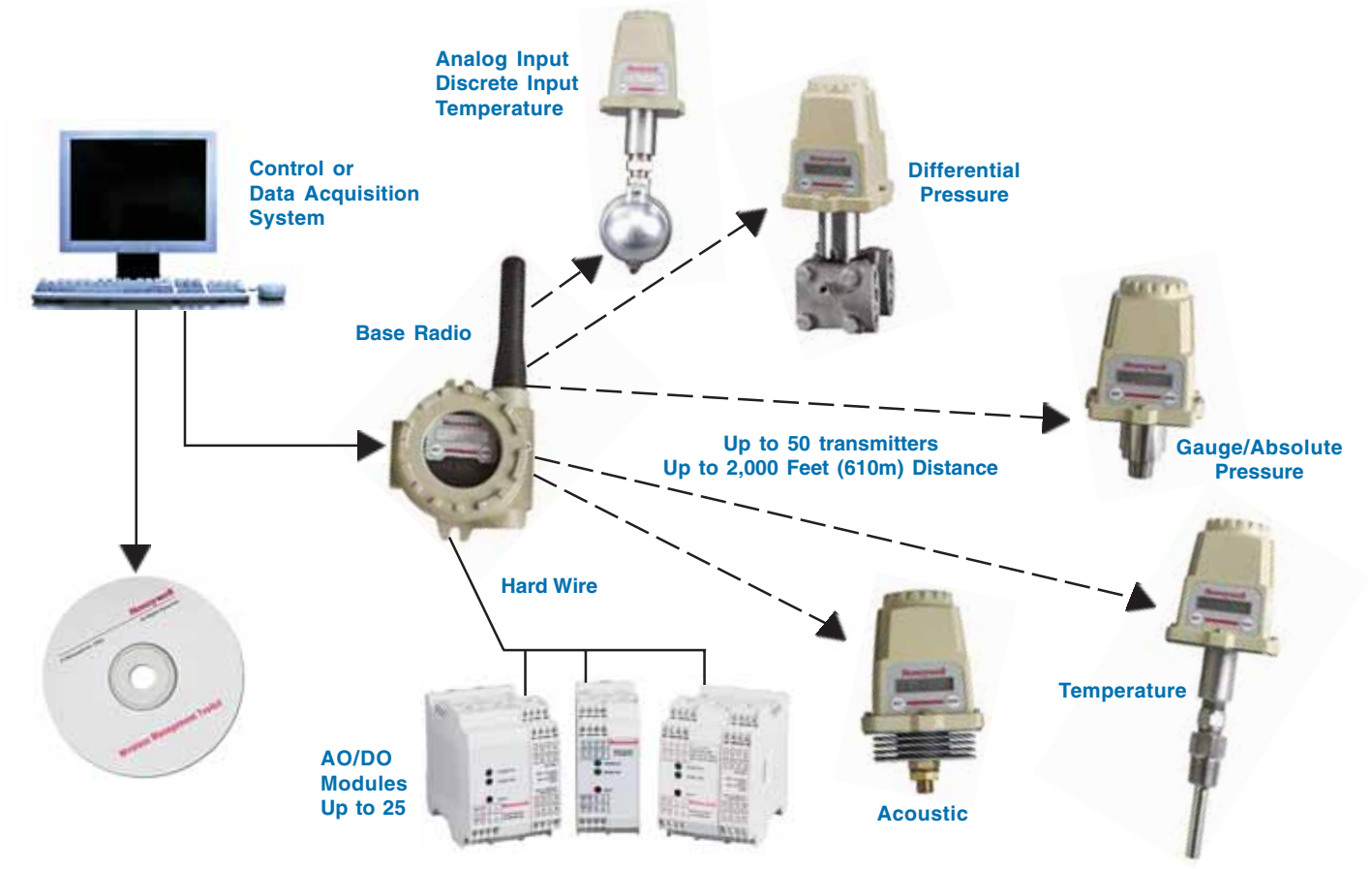
We've cut the cord that's tethered transmitters to control or data acquisition systems!

XYR 5000 wireless transmitters give you the ability to transmit data from areas where hard-wired measuring devices have been too costly, difficult or time consuming. Now, these **simple, safe and secure** tools give you the flexibility to monitor applications:

- that have no access to power
- that are remote or difficult to reach
- that may require frequent reconfiguration
- where manual readings have been required previously.

XYR 5000 transmitters send measurements wirelessly to a base radio connected to a control or data acquisition system. Each base radio accepts the signals of up to 50 wireless transmitters. Plus, the base radio also interfaces with Honeywell's PC-based Wireless Management Toolkit that offers real-time indication, reporting and configuration capabilities.

XYR 5000 Wireless Transmitters



Why Wireless?

Improve Product Quality

The power and simplicity of the XYR 5000 transmitters will allow you to easily and economically increase the number, type and frequency of measurements you make in monitoring your process. Plus, replacing manual readings with automated measurement results in information that is more accurate, timely and consistent. Continuous, online communication with your data acquisition system also improves time-stamping of data when you need to troubleshoot process problems.

Measure More. Pay Less.

The XYR 5000 will allow you to easily monitor previously hard-to-measure process variables. Plus, as these devices monitor assets such as pumps, motors and furnaces to support predictive, proactive maintenance, they can help you identify costly problems that lead to excess use of energy and raw materials.

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 improvements, evaluating issues and development of new and better products across your operations, but you'll find it particularly invaluable in pilot plant environments.

Typical Monitoring Applications:

- Tank levels in explosion-proof areas
- Rotary compressor
- Warehouse temperature
- Tank farm pressure/ level
- Inventory
- Safety showers
- Leak detection
- Valves

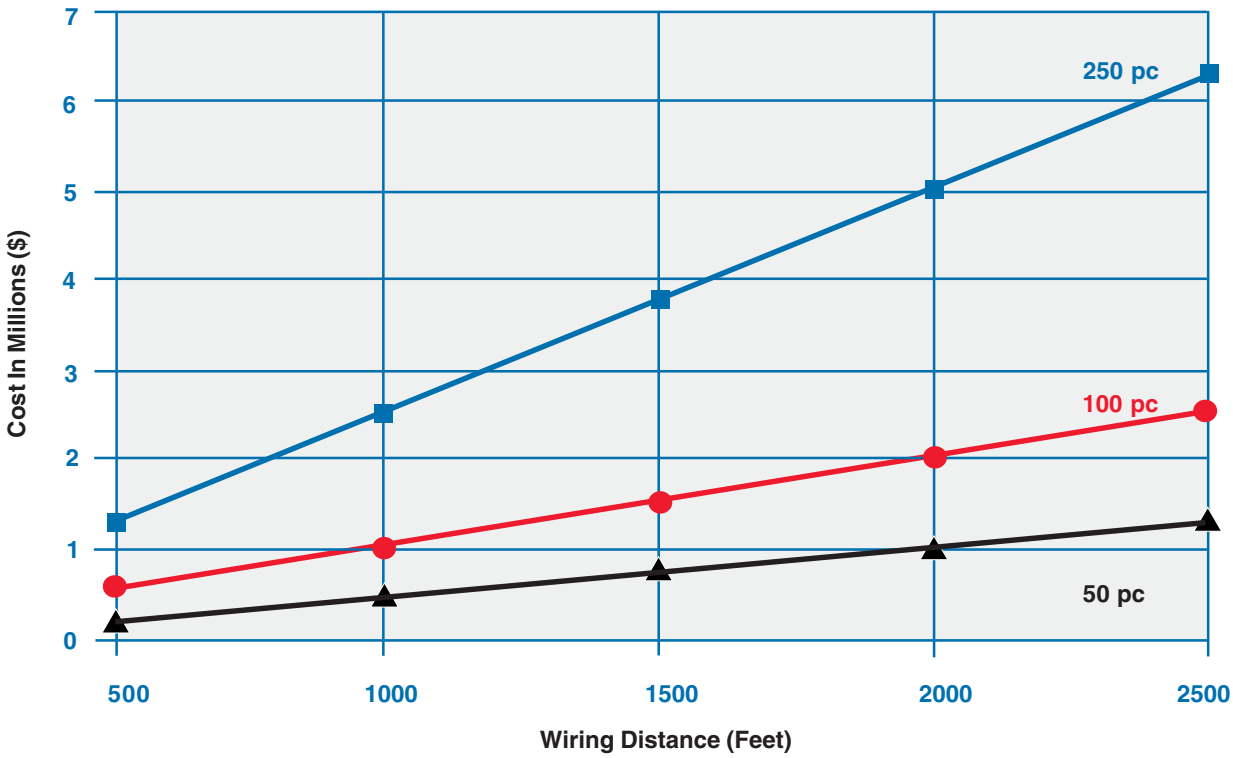
Interested in learning more about putting this powerful, economical tool to work for you?

Call us at 800-343-0228.

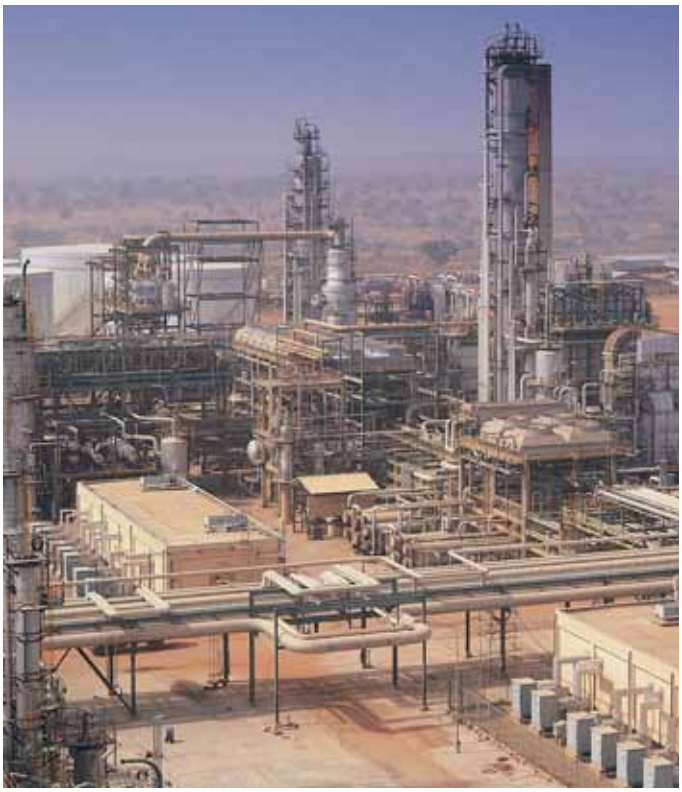
Honeywell

Simple to Install

Cost of Wires and Installation = $10 to $40/Foot (€25 to €100/meter)



Simplified installation leads to faster startups and accelerated profits



Easy to Maintain

Reliable XYR 5000 transmitters feature a long battery life (3 to 5 years) and a low-power alarm, so you'll know when to change batteries. Self-checking software and hardware continuously monitor operation to identify and report if device parameters are out of specification.

A Safe Investment

- Backed by the brand you know and trust—Honeywell—an industry leader in process automation, measurement and control
- Engineered to be compatible with existing systems, and tailored to adapt to new systems
- Tested and proven—Honeywell's site support guarantees XYR 5000 operation
- Proven RF technology translates into reliable communications

Honeywell Provides Three Levels of Secure Communications

Proven Frequency Hopping Spread Spectrum

The XYR 5000 avoids signal interference by employing Frequency Hopping Spread Spectrum (FHSS). This technique modulates the data signal with a carrier signal that periodically "hops" across a band of frequencies from 902 to 928 MHz or 869.4 to 869.64 MHz depending on the version. Both the transmitters and the base radio are synchronized during communications. FHSS ensures that noise at any one frequency will not disrupt communications.

CRC Checksum Coding

All communication transfers use Cyclic Redundancy Checking. Messages not properly acknowledged will be resent, and noisy signals will not be accepted as valid messages.

Password Protection

All transmitters and base radios are password-protected to prevent unauthorized access to configuration parameters.

XYR 5000 Flange Mounted transmitters

XYR 5000 Differential Pressure transmitter with remote seals

XYR 5000 Wireless Online Corrosion Measurement

XYR 5000 Wireless pH and Conductivity Measurement

Wireless Management Toolkit

Honeywell's Wireless Management Toolkit is the service management software for the XYR 5000 product family. It offers:

- Real-time monitoring and trending
- Configuration of transmitters and base radio
- Performance management
- Transmitter and base radio "View" mode
- Transmitter groups
- Reporting
- Alarms, transmitter status, RF status

Choose Honeywell for Simple, Safe and Secure Wireless Solutions

From the field to the control room, Honeywell delivers simple, safe and secure wireless-enabled solutions that extend access to critical process information. As a technology and services leader, Honeywell has the expertise to ensure that wireless technology saves not only installation costs, but total lifecycle costs.

Honeywell's proven wireless solutions access process data that would be impossible with traditional wired devices. Honeywell's XYR 5000 wireless transmitters enable automated variable monitoring in areas difficult to access with hard-wired devices. Supporting a mobile workforce, Mobile PKS technology, an extension of Honeywell's Experion® Process Knowledge System (PKS), enables engineering, operations and maintenance personnel to safely capture and share process data locally at the source.

Honeywell is the choice for wireless solutions.

Honeywell

Condensed Specifications

All transmitters	RF: License Free, Frequency Hopping Spread Spectrum Technology Sensors power: “C” size 3.6 V Li Range: 2000 ft. (610m) Battery Life: Up to 5 years Diagnostics: Low battery, “Out of spec” Event Driven transmission rates Local and Software Configurable Local display Hazardous Approvals: FM&CSA Class I, Division II, Groups A,B,C,D ATEX EEx ia IIC, EEx nl IIC with CE Mark NEMA Type 4X, IP 66
Differential Pressure	Ranges: 100" H2O(24.91kPa), 300" H2O(74.73kPa), 25 psi (172.37kPa), 100 psi(698.48kPa) and 300 psi(20.68 bars) Accuracy: 0.2% NEMA: Type 4X Approvals: General Industry Non-hazardous
Gauge Pressure	Ranges: 30, 250, 1000 and 5000 psi (206.84kPa, 17.24bars, 68.95 bars, 344.74 bars) Accuracy: 0.1%
Absolute Pressure	Ranges: 30 and 250 psi (206.84 kPa and 17.2 bars) Accuracy: 0.1%
Temperature + DI	TC and RTD Includes Discrete Input Option Accuracy: 0.1% Remote Probe Configuration is NEMA 4
Analog Input	4-20 ma / 0-10V Includes Discrete Input Option Accuracy: 0.1% Two Inputs
Discrete Inputs	Dry contact only, no voltage or current 1 Kohm maximum impedance Two inputs
Acoustic	Main frequency detection: 40 KHz; Bandwidth: 5 KHz
Analog/Digital Outputs	Up to 25 Modules per base radio Three options: 4 AO, 8 DO, 4 AO / 8 DO
Base Radio	Multiple devices per base radio Power: 24 VDC NEMA: Type 4 Local display
Operating Temperature	0 - 40° C (0 - 185° F)
External Antennas	Integrated Yagi (analog and temperature units) for ranges up to 5000 ft. (1500m) Remote High Gain for ranges up to 5000 ft. (1500m)

Find out more

For an on-site demo or further information contact your Honeywell representative. For a contact in your area visit: www.honeywell.com/imc

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the 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.
The information we supply is believed to be accurate and reliable as of this printing, however we assume no responsibility for its use. 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.

Specifications are subject to change without notice.

Honeywell Process Solutions
Honeywell International Inc.
2500 West Union Hills Drive
Phoenix, AZ 85027 USA
Tel: 800-343-0228
www.honeywell.com

34-XY-58-04
February 2006

Honeywell