



Remote Cylinder Monitoring Service

A monitoring solution to manage your cylinder gases



Monitor your cylinder gas supply on-line.

The **Praxair® Remote Cylinder Monitoring Service** is a 24/7 wireless monitoring system designed to provide site-wide, continuous pressure readings of cylinder gases.

With the convenience of wireless technology and Praxair's custom-designed prediction software, the service allows you to stay connected to all cylinder gas pressure levels at your facility from any PC with an Internet connection.

Wireless gauges are available in four standard pressure ranges.



Choose the level of service that fits your needs

The Praxair Remote Cylinder Monitoring Service offers two service options:

Silver-level service displays the status of your cylinder pressures, with customizable lower, upper and critical/warning levels for each product in use.

Gold-level service provides many of the same features as the Silver service, plus gas-use trending and prediction features, and automatic notification when it's time to re-order your Praxair gases. Additionally, with Gold-level service, you can seamlessly transition to Praxair's on-line ordering site to purchase your replacement gases.

Eliminate the "clipboard patrol"

With Praxair's Remote Cylinder Monitoring Service, you can virtually eliminate cylinder-checking walk-throughs and "clipboard patrols" to monitor your gas levels. Simply view the pressure levels of your cylinders on-line, from any PC with an Internet connection. Because it's wireless, it is easily custom-configured to work with the specific layout of your facility.



Features and Benefits

Reduces labor for cylinder contents tracking

Streamlines procurement of replacement gases

Helps eliminate product outages and production downtime

Provides continuous pressure readings 24/7

Notification of condition changes on-line or by e-mail

UL, cUL Class 1 Division 2 A, B, C, D Approved

Applications include but are not limited to cylinder gasses, switchover manifolds (as shown) and gaseous bulk supplies.

Service Level Offerings	Silver	Gold
Wireless pressure hardware	●	●
Installation, instructions, training kits	●	●
System upgrades and support	●	●
Continuous pressure monitoring via the Web	●	●
E-mail notification for low level conditions	●	●
E-mail notification to change cylinder	●	●
Electronic re-ordering of replacement product from Praxair	●	●

How the service works

The service consists of wireless communication gauges, routers, gateways and an on-site station computer. The wireless gauges include a transmitter, an A/D (analog to digital) converter and digital I/O (input/output) channels that interface with standard pressure gauges. Wireless gauges communicate only with the routers and/or gateways creating a point-to-point system.

After replacing your existing high-pressure gauges with wireless gauges from Praxair (we also can supply factory-installed assemblies of wireless gauges on our ProStar® Platinum regulators), the Remote Cylinder Monitoring Service regularly surveys your gas levels to provide continuous data on the status of each process. Through a dedicated telephone line, your data is transmitted from the on-site station computer to Praxair's central server, where, using custom-designed software developed by Praxair, you can view the actual pressure values of your cylinder gases throughout your site. Your site's specific information is displayed on a series of unique monitoring screens. Via the Web, you can access views of your entire facility's gas usage down to specific cylinders onsite.

The screenshot shows the 'Remote Cylinder Monitoring' web interface. The 'Pressure Level Alerts' section displays a table with columns: RF ID, Name, Location, Alert Type, Pressure, Threshold, and Alert Detected On. Two alerts are listed: one for High Purity Nitrogen (Critical High) and one for Argon 5 Pack North (Critical Low). Below this is a 'Lost Communications' section with a similar table structure.

Web-based notification is provided with both levels of service for alert conditions and system communications status.

The screenshot shows the 'Pressure Gauge Details' screen. It includes a table with columns: RF ID, Name, Location, Status, Pressure, and Last Update. A graph titled 'Pressure vs Time Graph' shows pressure decreasing over time from approximately 1400 psig to 200 psig. The interface also features various threshold settings (High Critical, High Warning, Low Warning, Low Critical) and a 'Save Changes' button.

Silver level service offers customized pressure threshold settings along with graphical representations of product usage.

The screenshot shows the 'Order Confirmation' screen. It displays 'Products to be Ordered' with a table containing columns: Item Number, Item Description, and Quantity. One item is listed: HY X8C11-4S, 6 COMP HYDROGEN MIX CS AS, with a quantity of 1. The screen includes fields for PO Number and Praxair Account number, and buttons for 'Place Order' and 'Cancel'.

Gold level service offers electronic ordering of Praxair's replacement cylinder gases.



Routers allow extended wireless gauge transmission ranges throughout your facility.

Ask about Praxair's Remote Cylinder Monitoring Service

The ease of wireless technology and the dependability of Praxair's proprietary software will help ensure that your cylinder gas supply stays under control. Backed by North America's only fully integrated gas supplier, the Praxair Remote Cylinder Monitoring Service will have you running your business and not running around checking cylinders.

The service can be accessed through Praxair Express, the company's on-line business tool for customers. This tool allows order placement, order status verification, inventory search and access to our on-line catalog of over 100,000 products.

Contact your local Praxair representative today or call us at 1-877-Praxair (1-877-772-9247) and see how our Remote Cylinder Monitoring Service can change the way you manage your cylinder gas supply.



Wireless gauges are field-installable and can also be purchased factory-installed on Praxair's ProStar® Platinum Regulators.



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