

Gas Watcher™

REAL-Time Cost-Effective Management of Gas Usage



Gas Watcher™
Technology



MATHESON

ask. . .The Gas Professionals™

www.mathesongas.com



Easily monitor operating gas status from remote locations



Eliminate the need to manually check cylinder pressure



Effectively monitor EPA Protocol gases



Monitor instrument support gases in analytical labs

Gas Watcher™ . . . *Fits Multiple Applications for Easy Gas Management!*

Gas Watcher™ incorporates Bluetooth communications technology to efficiently and consistently provide "REAL-time" visibility of gas products deployed in your lab or manufacturing plant.

Gas Watcher™ conveniently installs into most existing locations where traditional mechanical pressure gauges have been previously installed.



On a switchover station



On a regulator



In facility supply lines



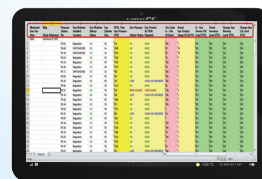
In gas manifolds



Gas Watcher™ Receiver

Receive gas data, operating status and alarm notifications from the Gas Watcher™ Remote Monitoring feature from any location with internet access.

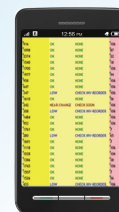
Remote Gas Management Using Bluetooth Enabled Devices. . .



By Tablet. . .



By Laptop. . .



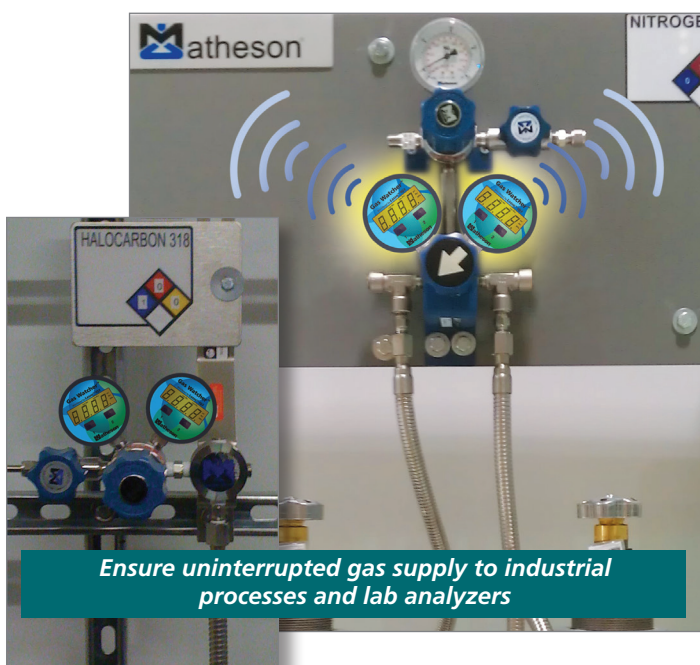
Or Smart Phone

Gas Watcher™ . . .

Optimizes Gas Management Onsite!

Understanding and managing gas usage is an integral part of efficient plant operations.

Gas Watcher™ is MATHESON's newest innovation for ensuring complete management of gases in "REAL-time." **Gas Watcher™** is a wireless, web-based gas management system that is user-friendly and provides a cost effective approach to monitoring gases, at the points of usage (POU's).



Gas Watcher™ employs the most innovative, patented pressure transducer technology that effectively monitors the operating pressure of each gas product monitored within a specific physical location to ensure an adequate and uninterrupted delivery of gases, while maximizing gas usage onsite for long-term operating benefits.

IMPORTANT COST SAVING FEATURE:
Gas Watcher™ digital pressure monitoring technology is set and validated by NIST Traceable Pressure Calibrator/Analyzer instrumentation. As a result, **Gas Watcher™** is far more accurate than pressure indicating devices that are mechanical. This accuracy virtually eliminates gas product waste that is caused by an inaccurate, and premature, identification of a cylinder as being "empty" - with up to a 60 psig advantage vs. standard mechanical pressure gauges. This means that cylinders stay on-line longer, saving end users gas product costs over time.

Key Operating Advantages:

- View and manage gases at multiple plant locations from a single operator station
- Analyze gas consumption to minimize expenditures for onsite inventory
- Automatic notification to reorder gases based on preset pressure set-points
- Eliminate delays in gas service to ensure uninterrupted supply
- Automatically collect and record gas data in a standard Excel report
- Send and receive gas data via email, Android or, iPhone for convenient access and actions



Key Monitoring Features:

- In-line, switchover or regulator installation
- Location of gases at designated "POU" checkpoints
- Accurate gas inventory organization and reporting
- Multiple preset pressure alarms for each gas
- REAL-time operating pressure of gases
- REAL-time gas usage at specific points of use
- Receive gas service, reorder and change-out alerts
- Eliminate manual inspection of gases to report operating status

Contact **MATHESON** via email at kwassel@mathesongas.com to discuss how the **Gas Watcher™** can help manage and potentially reduce your cost of gas storage and usage within your facility.

Gas Watcher™ provides the ability to conveniently monitor the operating status of gases within a facility from remote locations. Manage gases easily from your online web-portal to view monitored locations, create/edit alarms and evaluate usage... all in REAL-time. Let **Gas Watcher™** do the work for you!

Welcome to Gas Watcher. [kwsael@mathesongas.com](#)

Routers

Routers [+ Add](#)

Name	Manufacturer	Model	Serial Number	Sensors
Gas Room 1 / 5-127	MATHESON	GW-DIG3000-1	2024	36
Gas Room 2 / 5-136	MATHESON	GW-DIG3000-1	2025	23
Gas Room 3 / 13-124	MATHESON	GW-DIG3000-1	2026	32

Showing 1 to 3 of 3 entries

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Gas Watcher

Each monitored location is listed to access operating gas status in a specific area

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Router Details

Routers / Router Details

Gas Room 1 / 5-127 [Edit](#)

MATHESON GW-DIG3000-1

Serial Number: 2024

Sensors: 36

100 records per page

Name	Last Pressure	Last Temperature	Battery	Last Updated
PS-03 C3H8/Air 1.5 ppm	1,036.00 psi	71.07 °F	100%	6/2/2016 3:49:22 PM
PS-08 NOS 60% He/40% H2	339.00 psi	71.09 °F	100%	6/2/2016 3:49:24 PM
PS-10 N2	2,286.00 psi	71.42 °F	100%	6/2/2016 3:49:18 PM
PS-27 CO2/N2 1.8%	1,146.00 psi	70.69 °F	100%	6/2/2016 3:49:37 PM

View individual gas operating status in REAL-time within each monitored location

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Alarms

Alarms [+ New](#)

Filter by: Gas Room 1 / 5-127

No alarms have been created. Please click the "New" button to begin.

Showing 0 to 0 of 0 entries

The Alarm Notification feature provides the ability to select a gas within a monitored location and assign one or multiple actionable alarms to that specific gas

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Create a New Alarm

Alarms / Create a New Alarm

Name: Gas Pressure Less Than 500 psi

Router: Gas Room 1 / 5-127 (2024)

Sensor: PS-34 C3H8/Air 9 ppm (30709)

Field: Pressure

Operator: Less Than

Condition (psi): 500

Notifications: ☒ On

Method: [Select](#) [Email](#) [Text](#)

Recipients:

Notify On: ☐ Start ☐ Stop

Alarm notifications can be easily created and automatically sent by email and/or text to a recipient; therefore eliminating the need for making repeated trips to manually inspect the operating status of one or more gases within a facility

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Report

Monitored Gas	Bldg Room Reference	Pressure Station No.	Gas Watcher Installed Location	Gas Watcher Battery Status	Gas Cylinder Size	REAL Time Gas Pressure (PSI)	Gas Pressure Station Status	Gas Product ACTION Required	Life Cycle In-Use (If Days)	Actual Gas Product Usage (If Cyl/yr)	In-Use Service OK Level (PSI)	Check Inventory Level (PSI)	Change Gas Warning Level (PSI)	Change Gas Cyl Level (PSI)
Gas Room 5-1272														
PS-03	Regulator	OK	1R	916	OK	NONE	106	1	501	500	265	200		
PS-06	SWITCHOVER	OK	1A	5374	OK	NONE	52	59	501	500	265	200		
PS-10	Regulator	OK	1A	5374	OK	NONE	58	59	501	500	265	200		
PS-27	Regulator	OK	1R	5340	OK	NONE	106	5	501	500	265	200		
PS-14	Regulator	OK	1R	5700	OK	NONE	106	5	501	500	265	200		
PS-20	Regulator	OK	1R	5777	OK	NONE	106	5	501	500	265	200		
PS-11	SWITCHOVER	OK	1A	5958	OK	NONE	106	5	501	500	265	200		
PS-04	Regulator	OK	1R	547	OK	NONE	106	5	501	500	265	200		
PS-09	Regulator	OK	1R	547	LOW	CHECK INV-REORDER	106	5	501	500	265	200		
PS-06	Regulator	OK	1R	5410	OK	NONE	106	5	501	500	265	200		
PS-21	Regulator	OK	1R	542	NEAR CHANGE	CHECK SOON	106	5	501	500	265	200		
PS-18	Regulator	OK	1R	508	LOW	CHECK INV-REORDER	106	5	501	500	265	200		
PS-22	Regulator	OK	1R	5484	OK	NONE	106	5	501	500	265	200		
PS-24	Regulator	OK	1R	593	OK	NONE	106	5	501	500	265	200		
PS-02	Regulator	OK	1R	5761	OK	NONE	106	5	501	500	265	200		
PS-16	Regulator	OK	1R	5307	OK	NONE	106	5	501	500	265	200		
PS-15	Regulator	OK	1R	5326	OK	NONE	106	5	501	500	265	200		
PS-07	Regulator	OK	1R	5601	OK	NONE	106	5	501	500	265	200		
PS-34	Regulator	OK	1R	5118	OK	NONE	106	5	501	500	265	200		
PS-26	Regulator	OK	1R	5328	OK	NONE	106	5	501	500	265	200		
PS-19	Regulator	OK	1R	5386	OK	NONE	106	5	501	500	265	200		
PS-23	Regulator	OK	1R	5743	OK	NONE	106	5	501	500	265	200		
PS-16	Regulator	OK	1R	5307	OK	NONE	106	5	501	500	265	200		
PS-01	Regulator	OK	1R	5433	LOW	CHECK INV-REORDER	106	5	501	500	265	200		

Receive alarm notifications via email and/or text from gas pressure data monitored in REAL-time to efficiently prepare in advance to restock and change-out gases... virtually eliminating the need for manually inspecting gas operating levels and minimizing the opportunity for gas run-outs to occur!

Gas Watcher™ can produce a comprehensive operating summary of the individual gases in each monitored location over a specified time period; providing REAL-time visibility into current operating status, actual gas usage and alarm settings

Easily review individual gas usage within each monitored area... the "Life Cycle In-Use" and "Actual Gas Product Usage" information provide valuable data for procurement and operations planning!

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