

DATAL ALert™

Web-based, real-time cylinder gas and liquid management system

Combines mobile telephony and internet technologies to provide a complete remote telemetry solution

- Online cylinder contents with remaining deliverable quantity data
- Instantaneous pressure and liquid level data and trend reports
- User-defined, remotely accessible low level alert set-points
- Alerts and reports via fax, email, web browser and smartphone
- Automatic “hands-off” product reorders available if desired
- GPS location mapping of cylinders in use
- Interface with SHOP@airliquide™ provides:
 - Certificates of Accuracy for SCOTT™ gas mixtures
 - Product specs and lot numbers for ALPHAGAZ™ pure gases
 - Cylinder history, delivery and reorder information

DATAL works with any hardware and gas supply configuration—from a single cylinder with regulator to multiple cylinders connected to a manifold. At left DATAL is shown with our CEMStation™ using SCOTT EPA protocol gases and equipped with SCOTT Model 215 two-stage stainless steel regulators, RM Series manifolds with anti-whip pigtails and DATAL ALert wireless telemetry system.



DATAL ALert™

Web-based, real-time cylinder gas and liquid management system



Our web-based gas management telemetry system provides you with an accurate, easy-to-use and cost-effective means of tracking your cylinder gas usage. DATAL ALert gives you more control than ever before—the ability to continuously monitor your cylinder gas assets as they're in use.

DATAL ALert will seamlessly collect, analyze, format, transmit and report your critical cylinder gas data 24/7 through our customized web application interface. Reports and messaging are available via pager, email, fax and web browser.

You can predict gas usage to help minimize your on-site inventory of cylinder gases and receive notification when gases reach predetermined levels. Our DATAL ALert system allows you to decide when to schedule replacement cylinders, or you can let Air Liquide take care of replenishing your gas supply—automatically.

DATAL ALert electronic components feature the latest lithium battery and low power wireless telemetry technology, and can be powered from internal primary batteries, solar panels and rechargeable batteries, or directly from external power supplies ranging from 6 to 60 volts DC or 115 and 230 volts AC to eliminate the concern about power failures. A heated power supply option is available for use in extremely cold climates in order to maintain proper operation of LCD displays and the internal battery.



DATAL ALert can use various networks such as GSM, Reflex and Vistar Satellite, or WiFi to communicate cylinder gas usage information from the field.

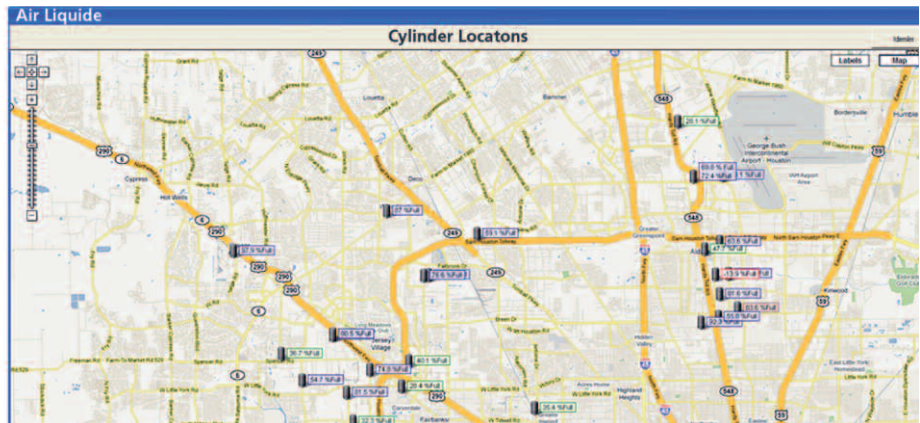
A system can be configured to handle up to 12 points (manifolds or multi-cylinder packs) on a single data port module and can be accessed remotely via computer, smartphone and even iPad. Additional modules can be connected either wirelessly or hard-wired.



DATAL ALert wireless telemetry system using SCOTT™ Model 8404 ChangeOver System with ALPHAGAZ™ pure gas cylinders featuring SMARTOP™ valves and SCANDINA™ Caps, and using Smart-Hose™ anti-whip pigtails.

DATAL works with any hardware and gas supply configuration—from a single cylinder with regulator to multiple cylinders connected to a manifold.

DATAL ALert uses GPS to map your cylinder locations throughout your facility or region.

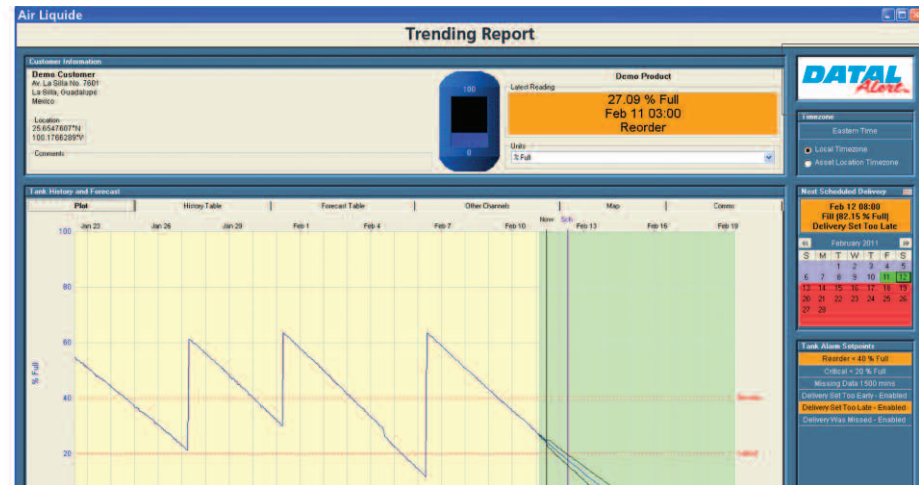


DATAL ALert makes it easy to organize and keep track of all of your cylinder assets.

All Cylinders

ID	Value	Product/Item	Status	Customer Acct #	Alarm Level	Deliverable	Asset Type	Map
10:45	272.2 psi	Nitrogen	Reorder	FF784A00	R 800 psi	2308 psi	Tank	Map
	10.31 % Full				C 100 psi			
02:00	1305 psi	Nitrogen	Normal	FF784C00	R 800 psi	1335 psi	Tank	Map
	49.42 % Full				C 100 psi			
02:00	1522 psi	Nitrogen	Normal	FF784C00	R 800 psi	1118 psi	Tank	Map
	57.65 % Full				C 100 psi			
02:00	6.063 Volts	Battery Voltage	Normal				Analog	
	1459 psi	Nitrogen	Normal	FF784B00	R 800 psi	1181 psi	Tank	Map
	55.27 % Full				C 100 psi			
02:00	6.159 Volts	Battery Voltage	Normal				Analog	
	380.1 psi	Nitrogen	Reorder	FF784A00	R 800 psi	2250 psi	Tank	Map
	14.78 % Full				C 100 psi			
10:45	6.418 Volts	Battery Voltage	Normal				Analog	

DATAL ALert reporting includes accurate trending data that forecasts gas usage—thus empowering you to minimize on-site cylinder inventory.

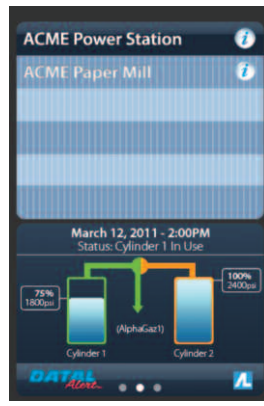
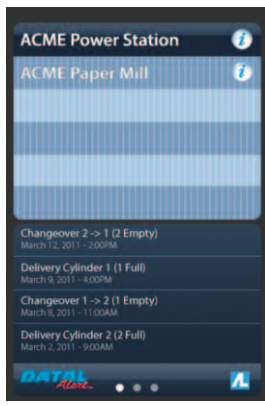


Establish pressure levels at which alarm notifications will be generated. Even change alert setpoints remotely via computer or smartphone. Then you can decide to place a reorder—or take a “hands-off” approach and let Air Liquide automatically replenish your gas supply.

Alarm Page

List Options: History, Active, Unack, Curves, Disabled, Configured. Actions: Ack All, Silence, Mute. Local Timezone: Demo, Tank Location Timezone: GMT.

Status	Priority	Local Time	Date	Area	Message	Operator
Alarm	High	05:39:30	Feb 11	DEMO Header Alarms	Tank 1 - Below Reorder Level	Logged Off
Normal/Inack	Critical	14:57:29	Feb 10	DEMO	2000 L Demo Tank 5 - Missing Data	Logged Off
Normal/Inack	High	14:54:44	Feb 10	DEMO Header Alarms	2000 L Demo Tank 6 - Below Reorder Level	Logged Off
Alarm	High	05:02:27	Feb 10	DEMO	2000 L Demo Tank 4 - Below Reorder Level	Logged Off
Alarm	Critical	09:01:00	Jan 26	DEMO	2000 L Demo Tank 7 - Delivery Was Missed	Logged Off
Normal/Inack	High	12:22:04	Feb 8	DEMO	2000 L Demo Tank 4 - Below Critical Level	Logged Off
Alarm	High	17:27:03	Feb 8	DEMO	2000 L Demo Tank 1 - Below Reorder Level	Logged Off
Normal/Inack	High	16:48:26	Feb 7	DEMO Header Alarms	2000 L Demo Tank 1 - Below Reorder Level	Logged Off
Alarm	Critical	15:02:00	Feb 5	DEMO	Demol Iso Container - Missing Data	Logged Off
Alarm	High	14:14:15	Jan 31	DEMO	Demol Iso Container - Below Reorder Level	Logged Off
Normal/Inack	Critical	09:01:00	Jan 30	DEMO	Mexico 2000 L Demo Tank 4 - Delivery Was Missed	Logged Off
Normal/Inack	Critical	10:01:00	Jan 29	DEMO	2000 L Demo Tank 5 - Missing Data	Logged Off
Normal/Inack	Critical	10:01:00	Jan 28	DEMO	2000 L Demo Tank 4 - Missing Data	Logged Off
Normal/Inack	Critical	10:01:00	Jan 26	DEMO	2000 L Demo Tank 6 - Delivery Was Missed	Logged Off
Normal/Inack	Critical	09:01:00	Jan 26	DEMO	2000 L Demo Tank 5 - Delivery Was Missed	Logged Off
Normal/Inack	High	08:44:50	Jan 15	DEMO	2000 L Demo Tank 5 - Below Critical Level	Logged Off
Normal/Inack	High	08:45:07	Jan 11	DEMO	2000 L Demo Tank 2 - Below Critical Level	Logged Off
Normal/Inack	Critical	08:45:26	Dec 30	DEMO	2000 L Demo Tank 2 - Below Critical Level	Logged Off
Normal/Inack	Critical	17:45:53	Dec 20	DEMO	2000 L Demo Tank 1 - Below Empty Level	Logged Off
Normal/Inack	High	16:18:48	Dec 20	DEMO Critical Alarms	2000 L Demo Tank 1 - Below Reorder Level	Logged Off
Normal/Inack	High	20:47:50	Dec 17	DEMO	2000 L Demo Tank 3 - Below Reorder Level	Logged Off
Normal/Inack	Critical	17:05:50	Dec 16	DEMO	2000 L Demo Tank 5 - Below Empty Level	Logged Off
Normal/Inack	Critical	10:01:00	Nov 30	DEMO	Mexico 2000 L Demo Tank 2 - Delivery Was Missed	Logged Off
Normal/Inack	High	11:52:23	Nov 16	DEMO	2000 L Demo Tank 5 - Above High Level	Logged Off
Normal/Inack	High	14:32:18	Sep 7	DEMO	Mexico 2000 L Demo Tank 2 - Delivery Set Too Late	Logged Off
Normal/Inack	Warning	17:07:50	Aug 22	DEMO	2000 L Demo Tank 4 - Delivery Set Too Early	Logged Off
Normal/Inack	High	21:59:24	Aug 20	DEMO	Mexico 2000 L Demo Tank 1 - Delivery Set Too Late	Logged Off
Normal/Inack	Critical	04:58:46	Aug 19	DEMO Critical Alarms	Tank 1 - Below Critical Level	Logged Off
Normal/Inack	Critical	02:01:00	Jan 5	DEMO	2000 L Demo Tank 3 - Missing Data	Logged Off
Normal/Inack	High	10:23:20	Apr 16	DEMO	2000 L Demo Tank 6 - Below Critical Level	Logged Off
Normal/Inack	High	10:24:36	Apr 13	DEMO	2000 L Demo Tank 5 - Below Critical Level	Logged Off
Normal/Inack	Critical	10:33:05	Apr 5	DEMO	2000 L Demo Tank 6 - Missing Data	Logged Off
Normal/Inack	Critical	10:28:10	Apr 5	DEMO	2000 L Demo Tank 2 - Missing Data	Logged Off
Normal/Inack	Critical	10:24:21	Apr 5	DEMO	2000 L Demo Tank 1 - Missing Data	Logged Off
Normal/Inack	Warning	16:46:41	Jan 22	DEMO	DEMO All Alarm 1	Logged Off
Normal/Inack	High	12:46:33	Dec 31	DEMO	DEMO All Alarm 1	Logged Off
Normal/Inack	High	12:49:59	Dec 29	DEMO	Tank 1 - Delivery Set Too Late	Logged Off
Normal/Inack	Critical	15:01:02	Sep 23	DEMO	Tank 1 - Delivery Was Missed	Logged Off
Normal/Inack	Warning	14:12:26	Sep 22	DEMO	Tank 1 - Delivery Set Too Early	Logged Off
Alarm	Critical	20:47:32	Sep 1	DEMO Missing Data	Tank 1 - Missing Data	Logged Off



Air Liquide has an app for that!

Now no matter where you are, DATAL ALert makes your data as near as your mobile device. Securely access all of your critical real-time gas usage data via computer, smartphone or iPad.

DATAL ALert works with cryogenics too



DATAL ALert uses a C-Stic digital liquid level gauge that is engineered to provide accurate and reliable level measurements when used with cryogenics such as nitrogen, oxygen, argon, carbon dioxide and nitrous oxide. Capacitance of its all stainless steel sensor increases ratiometrically with the liquid coverage and is converted into an easy-to-read display with 0.1% resolution. The unit also features an analog 4-20mA loop connection to be used for industrial control or remote purposes. When the front key is pressed, C-Stic measures and displays the fluid level, then switches off automatically.

Cryogenic Monitoring Features

- Robust, long-lasting construction
- All stainless steel sensor
- Up to 35 bar (500 psi/3.5 MPa) nominal pressure
- Standard 4-20mA loop with life indicator
- Uses a standard 9V battery (included)
- Easy adjustments
- 0.1% resolution digital LED-display

Air Liquide also offers carts, hoses and other accessories for use with cryogenic containers. Call 800.654.2737 to request a catalog, or visit our website shown below.



Founded in 1902, Air Liquide is the world leader in gases for industry, health and the environment, providing innovative solutions for the manufacture of everyday products and for the protection of life. NOTE: This brochure is intended for general information purposes only and is not intended as a representation or warranty of any kind, or as a statement of any terms or condition of sale. The information herein is believed to be correct, but is not warranted for correctness or completeness or for applicability to any particular customer or situation.

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