

Delta F - Product Selection Guides

Delta F is known worldwide for applying advanced technology to oxygen and moisture analysis. Their oxygen analyzers set the standard for industry and they've applied the same type of innovation to their moisture analyzers.

All oxygen analyzers, whether ultra trace (ppt), trace (ppb) or percent level, are factory calibrated to NIST standards and calibration doesn't vary over time. They are always ready to measure when needed. The unique E-sensor technology delivers the most accurate results from day one through the life of the equipment. The non-depleting sensor means no drifting over time, no false low readings, and no frequent and costly calibrations. The analyzers' unsurpassed reliability delivers the lowest total cost of ownership for oxygen analysis.

Their laser-based TDLAS moisture analyzer exceeds the UHP moisture measurement demands from around the world. It is available as a solo analyzer or combined in the same 19" package with an oxygen analyzer. Moisture measurements can be made in a variety of inert background gases as well as reactive gases like ammonia, HCl and phosphine.

The biggest decision for a customer may be deciding which analyzer is right for their needs. Delta-F has provided downloadable product selection guides to provide a quick overview of the **moisture** and **oxygen** analyzer product lines to aid in this selection process.



Thermal Gas - Refrigerant Leak Detection and Monitoring Systems

Thermal Gas offers several systems for refrigerant leak detection and monitoring. The HALOGUARD® is the cost effective, reliable way to reduce costly refrigerant leakage. With a HALOGUARD installed, you quickly know where the leak is located and how much refrigerant you are losing. This exclusive early



warning system detects leaks in a designated area and flashes a bright red LED when PPM reaches the alarm level you preset. With a dialer or other remote signal hookup, maintenance personnel will know immediately when and where a leak occurs. Repairs can be

made quickly, before costly refrigerant or perishable products are lost. An optional analog output is available to interface with EMS/BMS systems.

Features

- Simple installation, easy field calibration
- Remote sensor with 6 ft. instrument cable and DIN plug, extendable to 300 ft.
- Audible alarm
- LCD shows PPM Concentration, Alarm, Test, Reset Sensor Fault and Low Battery
- 2 user alarms adjustable between 10 -100% of scale
- Off-scale alarm
- Three flashing alarm LEDs: Sensor Fault LED, Power On/Off LED, and Four alarm relays for ventilation, dialer or remote notification
- Alarm Test and Reset push buttons
- Rugged NEMA 4/12 plastic enclosure
- Dependable, solid-state electronics

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H2scan - Hydrogen Leak Detection Technology - 15 ppm to percent levels

H2scan offers a solution to the many issues related with hydrogen sensing technologies and their limitations. Whatever your need, H2scan's hydrogen specific sensing systems are uniquely able to detect hydrogen against



virtually any background gases without false readings or expensive support equipment required. State-of-the-art leak detection, process gas monitoring, or both!

This solid-state technology was developed at the U.S. Department of Energy Sandia National Laboratory and now is available commercially from H2scan. It is able to detect hydrogen in air down to 15 ppm concentration over a wide range of temperatures without cross-sensitivities to other substances.

Hydrogen is the most abundant element in the universe; a colorless, odorless and tasteless

gas that can be used in making petrochemicals or powering engines. But when mixed with air, it can explode so it is essential to monitor.

H2scan has taken this technology and developed a range of instruments for use in the field and at the manufacturing site.

They offer a hand held system which can be carried out into the field or through the manufacturing area. They also offer a fixed area model, an intrinsically safe unit, and a explosion proof sensor. They also offer an in-line process sensor for real time hydrogen monitoring and an intrinsically safe monitor.



ETA Associates sells and services all models of H2scan monitors. Call us now to learn more how these can fit into your facility.



Calibration Gases

We offer on-line ordering for hundreds of **common gases** in a variety of sizes, all in disposable cylinders. Refillable cylinders are also available. All have guaranteed NIST traceable accuracy.

Special orders are available for additional gases and mixes not featured. Regulators are sold separately.

Don't know what to do with those expired cylinders? Feel guilty throwing used cylinders in the trash? Our gas cylinder recycling program will help you do the right thing! Simply ship your empty cylinders to us and we'll apply a \$10 credit for each cylinder returned towards the purchase of any new cylinder of calibration gas.

NOTE: Cylinders must be completely emptied before being shipped - pressurized cylinders must be shipped as hazardous materials, and violating this is dangerous and can result in expensive fines. Empty cylinders can be shipped as a regular package.

Don't have a way to completely empty a cylinder? Our **cylinder emptying tools** release all of the gas in the cylinder and then push in the regulator pin, assuring you (and your shipping company) that the cylinder is completely empty.



To find out more about this program, please call (978) 532-7330 or email sales@ESafetyInc.com.

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