



**Safety Inc.**

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March 2024

**FEATURED PRODUCTS AND MANUFACTURERS**

**Krohne**



**Flow Measurement**

Complete portfolio for volume flow, mass flow, density and concentration measurement .Wide selection of measuring principles For liquids, gases and steam For basic to very advanced process applications, CT measurements, hygienic applications and Safety Instrumented Systems

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**Draeger Visual Flame Detection**



## Flame 3000

## Flame 5000

### Visual flame detection overcomes many of the issues common to standard technologies:

no false alarms  
there is no degradation in the field of vision  
standard technologies have significant drop off in detection capability away from the center of the field of vision. With visual detection the full field of vision has full detection capability  
video recording of an alarm event is an option - before and after alarm video to literally see what caused an alarm  
unaffected by rain, dust, snow, and humidity  
works seamlessly with industry-standard fire alarm panels and other safety systems/PLCs  
Class 1, Div 1, FM certified for silane

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### Draeger Visual Flame Detection Blog by Joel Myerson



false alarms. [LINK TO CONTINUE](#)

Flame detectors typically use technology based on measuring the radiant energy given off by a flame. This energy measurement is done by measuring the IR, UV, or a combination of these wavelengths (UV/IR, IR3, etc.). Measuring the radiant energy given off by a flame has many inherent issues - if the energy is blocked (by humidity, particles, smoke, snow, etc.) it can't get to the detector, and the detector can't detect the flame (the detector is "blinded"). If radiant energy - from flares, hot engines/machinery, welding, the sun, etc. - is reflected towards the flame detector it can cause

## Gasmet



### GT6000 Mobilus Portable Stack Gas and Emission Analyzer

GT6000 Mobilus is a portable stack testing unit that can be carried in the trunk of a car. It will fit into 2-3 hard shell carrying cases. It complies with the two primary US Test Methods - USEPA TM 320 and ASTM D6348 for RATA (relative accuracy test audit) testing. Key benefits

Fast, reliable FTIR technology is low maintenance  
No sensors to replace  
Intuitive user interface and ergonomic design  
Quickly and easily disassemble, carry, and set-up again  
Multi-gas measurements in a portable package  
Realtime results reliably and remotely via Bluetooth or wifi  
Smart software with self-diagnostics.

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### Gasmet Feature by Joel Myerson



a smokestack. [LINK TO CONTINUE](#)

Gasmet is a company based in Finland. Their technology was developed at a University in Finland in the early 1990s. Their technology is based on Fourier Transform Infrared (FTIR). They didn't invent FTIR technology, what they did was perfected it. They have developed methods to lower the detection limits of FTIR into the lower PPB range, for over five thousand gases. They also have developed the ability to take FTIR technology out of the lab and put it in both a portable instrument for industrial hygiene and hazmat applications and also into CEMS systems they can be directly mounted onto

## Ion Science Falco



## Falco Pumped and Diffused Fixed VOC Gas Detection

ION Science has been manufacturing photo ionization (pid) lamps and instruments since 1992. Cutting-edge, patented lamp technology reduces the effects of humidity and results in lamps that last longer than competitor's products. Lamps are manufactured in-house, not outsourced to third party companies, for consistent quality and performance. Fixed pids can be used to measure organics down to ppm levels.

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## Perma Pure Gas Drying Systems



### Gas Sample Dryers

Wide range of Gas Sample Drying products that can be tailor-made for your application  
 MD Series™ and PD Series™ dryers are the ideal choice for drying gas samples prior to analysis  
 Perma Pure dryers can reduce the sample dew point to as low as -45°C without any measurable loss of analytes

Series Model	Flow Rates	Operating Temperatures	Operating Pressures	Standard Dew Points
MD Series	0-4 lpm	to max. 120° C	to 100 psi (absolute)	to -25° C, with -60° C possible
MRD Series	0-4 lpm	to max. 120° C	to 100 psi (absolute)	to -25° C, with -60° C possible in special cases
PD Series	1-40 lpm	to max. 120° C	to 45 psi (absolute)	to -25° C, with lower values possible
MDH Series	up to 1 lpm	to max. 80° C	to 100 psi (absolute)	to as low as -10° C
DM Series	Up to 1 lpm			Down to -30°C dew point

### Gas Humidification

Series Model	Flow Rates	Operating Temperatures	Maximum Operating Pressures	Maximum Differential Pressure
MH Series	0-10 lpm	0 - 80 C°	80 psi	10 psi
FC Series	to 1000 lpm	120°C to 230°C	230°C	
ME Series	0-10 lpm			
BE Series	0-4 lpm	0 - 80 C°	90 psi	

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### Casella Apex2 Personal Sampling Pump Intrinsically Safe Dosimeter



Whatever media you're using you can be assured that the Apex2 personal sampling pump has the power to handle any personal monitoring needs. Optimized at around 2l/min, the flow at which most Occupational Hygiene measurements are made, the Apex2 personal sampling pump has outstanding back pressure capability. There are no more worries about battery life: The Apex2 personal sampling pump has high performing Li Ion batteries and an intelligent battery life indicator letting you know exactly how much charge you have left. And with the Apex2 performing with a pulsation value of ~10% you can have true confidence in the integrity of your samples. With its slim, ergonomic design, the pump is less obtrusive to the wearer allowing them to carry on with their job whilst being monitored. A sturdy clip with a lifetime guarantee means it's secure and the detachable rubber boot guards against knocks. Ingress resistant to IP65 means that you can use it in the harshest environments and its smooth finish means it's easy to decontaminate.

- Outstanding Performance
- Slim Ergonomic Design
- Simple Operation
- Motion Sensor
- Great Long battery life
- All Models Intrinsically Safe

[Read More](#)

### Casella Apex 2 Pump - Intrinsically Safe Sampling Pump - Feature Blog by Joel Myerson



The Casella Apex 2 pump is an intrinsically safe sampling pump with a range of 50 milliliter all the way up to 5 liters. The pump has some unique features. The Apex 2 has a motion sensor - the percentage of time that the pump has been moving is included in the data run. The motion sensor is an indicator as to whether or not the pump was actually worn during the full run or if someone put it down or took it off for part of the run. The plus and pro versions of the pump have Bluetooth capability. Bluetooth connects to Casella's Airwave app. Airwave allows you to see the current data from the Apex pump. Airwave work with all of Casella's noise dosimeters as well. [Link to Read More](#)

### X-act 7000 Promo

#### An upgrade path for existing Draeger CMS analyzer customers, interested in purchasing an X-act 7000

CMS Trade in Program



Trade-in your original CMS analyzer and receive \$500 off the list price of the X-act 7000

- Customer must turn in the CMS analyzer to receive \$500 off the list price.
- Channel Partner orders will reduce the list price by \$500 and then receive their normal discount. Quantities may vary with no limit on the number of analyzers for the trade in.
- Channel Partner completes trade in form and service request for return of the CMS until on the Sales Channel Portal.
- Sales Support will help the Channel Partner to navigate through the Portal.
- The Product Business Development Manager will approve all trade in orders to authorize the \$500 price reduction with Draeger Customer Service.
- Program begins January 1, 2024 and ends on June 30, 2024

contact [sales@esafetyinc.com](mailto:sales@esafetyinc.com) mention X-act 7000 Promo

### Fall protection at ifacility by Joel Myerson

Ifacility services offers a number of services that can be combined and performed at a customer's site, saving our customers time and money. Instruments and safety equipment don't need to be taken out of service and sent to our calibration lab (although if an instrument needs repairs it likely will have to be brought back to our calibration lab).

*“All fall protection should be inspected at least annually and sometimes more frequently depending on manufacturer recommendation”*

Our service technicians are trained to perform all of the services we offer, and they can combine these services for efficiency. For fall protection service in particular, our technicians are trained to be competent persons per the ANSI standards. They can inspect lanyards, harnesses, winches and tripods. [Link to Read More](#)

