

OCTOBER 2011

# The Monitor



GENERAL MONITORS

Your total solution provider for gas and flame detection

► Welcome to *The Monitor*!

## PA4000 Photoacoustic Gas Monitor Eliminates Water Vapor Interference



Our new versatile PA4000 Photoacoustic Infrared Gas Monitor provides precise, high-performance gas monitoring while eliminating interference from water vapors, offering a reliable, low maintenance, cost-saving solution in situations where contaminants or interference preclude the use of other

techniques.

The PA4000 is designed with an advanced photoacoustic infrared (PIR) sensor to monitor a variety of gases, including: hydrocarbons, solvents, alcohols, CO<sub>2</sub>, CO and other dangerous gases. It is stable and highly selective to the gas of interest and can operate for months with virtually no drift.

The PA4000 Gas Monitor eliminates a problem common to infrared analyzers: cross-sensitivity to water vapor. It features a proprietary sensing technique that determines the amount of water vapor in the sample and subtracts it from the gas reading. This technique allows the gas reading to be stable with no compromise to measurement sensitivity.

The PA4000's versatility makes it the ideal monitoring solution for a wide variety of applications in diverse industries, including: agriculture, chemical, oil & gas, petrochemical, and semiconductors. It is ideal for use in applications where the lowest possible levels of gas must be detected; where facilities are exposed to gases or compounds that can complicate the ability to detect a particular gas; or in facilities using combustible gases requiring explosion-proof monitors.

The PA4000 Gas Monitor excels at monitoring fuel leaks in refinery applications due to its ability to detect gas at extremely low ppm levels and its sample draw system, which can pull gasoline vapor to the sensor from

### Follow us

Stay connected and up-to-date with General Monitors news and information through your favorite social media sites:



### Industry news

#### CSB Chair Says Plants Need To Improve Safety

In the aftermath of fatal accidents this year, Rafael Moure-Eraso, chair of the U.S. Chemical Safety Board (CSB), has recently come out with a statement regarding safety in the chemical industry.

► [Learn more from the CSB Chair](#)

#### New NFPA Standard to Prevent Fires & Explosions During Gas Pipe Purging

The National Fire Protection Association (NFPA) has announced the release of NFPA 56 (PS), Standard for Fire and Explosion Prevention During Cleaning and Purging of Flammable Gas Piping Systems, 2012 Edition, which prohibits the use of flammable gas as a cleaning agent for cleaning the interior of pipes.

► [More about the NFPA 56 standard](#)

### General Monitors QuickLinks

- |  |                              |
|--|------------------------------|
| ► <a href="#">Product Demos</a>        | ► <a href="#">Contact Us</a> |
| ► <a href="#">Customer Care Center</a> | ► <a href="#">Sales Reps</a> |
| ► <a href="#">SIL Resource Center</a>  | ► <a href="#">Archives</a>   |

► [Forward this eNewsletter](#)  
► [Opt out](#)

up to 500 feet away. The PA4000 is ideal for measuring toluene given off during gasket material manufacturing at levels as low as 5 ppm.

► **Learn more about the PA4000 Photoacoustic Gas Monitor**

Copyright ©2011 General Monitors.

All logos, brand and product names are registered trademarks of their perspective owners. All rights reserved.

► **General Monitors | 26776 Simpatica Circle | Lake Forest, California | 92630 USA**