



For Immediate Release

Gas Detectors Protect Shale Gas Rigs From Hazardous Hydrocarbon Gas Leaks

Ideal for Hydraulic Fracturing Operations

LAKE FOREST, CA—February 26, 2014—Oil and gas engineers responsible for hydraulic fracturing operations in the production of natural gas will find the Combustible Gas Detectors product lines available from General Monitors accurately sense potentially explosive hydrocarbon gas and alert crews in time to complete an orderly shutdown of the drilling rig.

Pockets of combustible gas potentially escaping from shale drilling rig production require fixed gas detection monitoring equipment in order to maintain a safe operating environment for people and equipment. The General Monitors [S4000CH](#) and [IR400](#) Combustible Gas Detectors, with their decades of field proven experience and precision sensor technologies, provide a highly reliable early warning alert to production workers.

The **Model S4000CH Intelligent Gas Detector** features General Monitors' robust catalytic bead sensor. This sensor provides exceptional reliability for precise gas detection, ease of set-up and use, as well as simple maintenance. In harsh industrial process environments, it delivers dependable safety monitoring with low cost-of-ownership.

The **Model IR400 Infrared (IR) Point Detector** features a self-diagnostic design to prevent false alarms and process shutdowns. It monitors conditions such as supply voltage and optical path integrity. The IR400 also features heated optics to eliminate condensation, and a dirty optics indicator helps discriminate between true alarms and maintenance needs. Additionally, the detector requires no routine calibration, a feature that reduces demand for field technician maintenance time.

Both detectors are microprocessor-based and continuously monitor combustible gases and vapors within the lower explosive limit (LEL). All electronics are contained within explosion-proof housings so that the detectors information can be processed locally. They operate with a 4-20 mA signal, which is proportional to 0 to 100% LEL gas concentration at the detectors. The units feature one person calibration and can virtually self-calibrate by simply activating a magnetic switch and applying gas. Configurations with analog output, Modbus and HART are also available. Modbus and HART data can be used for predictive maintenance.

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About General Monitors

Founded in 1961, General Monitors is a global leader in process monitoring and safety in combustible, toxic and flammable environments. Whether the requirement is single-point gas and flame detection or a large multi-point integrated safety monitoring system, General Monitors provides the solution with a single-point of responsibility for total project management.

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