

# Ventis™ Pro Series in the Oil & Gas Industry



## Overview

Exploration, transportation, refining, and plant turnarounds all put oil and gas workers at risk of exposure to toxic and combustible gases. A multi-gas instrument is well-suited for the variety of gas hazards that can be found in oil and gas applications.

## Sensors

While the most commonly requested sensors are O<sub>2</sub>, LEL, CO, H<sub>2</sub>S, SO<sub>2</sub>, HC IR, and CH<sub>4</sub> IR, specific requirements may vary based on the application. For example:

- Refineries: O<sub>2</sub>, LEL, CO, CO<sub>2</sub>, and SO<sub>2</sub>
- Drilling/Contractors: O<sub>2</sub>, LEL, CO, and CO<sub>2</sub>
- Pipeline: CO, H<sub>2</sub>S, O<sub>2</sub>, CH<sub>4</sub> IR, and HC IR

## Key Features

- Personal four-gas monitors are a reality: Flexible sensor configurations and the compact size of Ventis™ Pro Series instruments make them easy-to-wear while providing the protection that is needed in the oil and gas industry.
- Enhanced detection of up to five gases: With the ability to detect up to five gases, Ventis Pro Series instruments can be customized for use in multiple oil and gas applications, including confined space entry. One instrument that fills many needs reduces training costs and simplifies the user experience.
- Fewer nuisance alarms with the CO/H<sub>2</sub> low sensor: Hydrogen, a common by-product and feed in oil and gas processing, can cause frequent CO alarms. This sensor reduces cross-sensitivity from a typical 50% to less than 3%, leading to more accurate readings and fewer nuisance alarms.
- Simple to use: Work safer while reducing training costs through the use of settings that simplify operation. For example, alarm action messages can be used to provide clear instruction when the instrument alarms.
- Manage fleets on the go: iAssign™ Technology helps streamline the site and user assignment process by making assignments something that can be done quickly, anywhere, and any time. Streamlined assignments make user and site data easy to collect, leading to more effective data analysis.

- Rugged: Ventis Pro Series instruments are backed by the Guaranteed for Life™ warranty program and exceed the oil and gas industry's needs for a rugged instrument.
  - Resist damage from water, dirt, and dust: With an IP68 rating, Ventis Pro Series instruments have the highest level of protection from damage caused by dust/dirt and can withstand being submerged in water at a depth of 1.5 meters (4.9 feet) for one hour.
  - Withstand extreme temperatures: Ventis Pro Series instruments operate in temperatures ranging from -40 °C to 50 °C (-40 °F to 122 °F).
  - Go ahead, drop it: Ventis Pro Series instruments are designed to pass industry drop tests and exceed the requirements outlined by 30 CFR Section 22.7(d)(3) and EN60079-0.
  - Built to last: Rubber overmold edges are designed to resist peeling and tearing.

## Additional Features

**Simple to care for** – Ventis Pro Series instruments are easy to service. The sensors can be replaced with a few simple steps. The rechargeable lithium-ion battery takes just moments to swap out. External dust filters can be peeled off when dirty and quickly replaced. The Ventis Pro Series is also compatible with the DSX Docking Stations and V-Cal Calibration Stations.

**Customize it to meet operator needs** – Customizable settings allow Ventis Pro Series instruments to be configured for use by experts in gas detection or simplified for use by operators who just need to know when there is a problem.

**Work safer** – Man-down and panic alarms protect workers from hazards beyond gas. For example, if a Ventis Pro Series user is unable to move or drops an instrument without knowing it, the man-down alarm will sound. A dedicated panic button makes it easy for an instrument operator to warn others of hazards.

**Ventis Slide-on Pump** – Ventis Pro Series instruments are compatible with the Ventis Slide-on Pump. Operators who primarily wear a gas monitor for personal protection, but occasionally require a pump for confined spaces, can convert a non-pumped instrument to a pumped and vice versa with just a few steps.

**NOTE:** \*Available in late 2016. | REV 0316

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