

Ventis™ Pro Series in the Steel Industry



Overview

All phases of steel production, from coke production to annealing, can result in the emission of hazardous gases. A multi-gas instrument is well-suited for the variety of gas hazards that can be found in steel applications.

Sensors

The most commonly requested sensors are CO with low H₂ interference, H₂S, SO₂, HCN, and NH₃. Hot work requires an LEL sensor and confined space entry requires LEL and O₂ sensors at a minimum.

Key Features

- Monitor for four toxic gases with one instrument: Ventis™ Pro Series instruments can be customized for use in multiple steel applications, including a CO/H₂ low sensor for coke production and a CH₄ IR sensor for purge work.
- CO sensor range: Flexible sensor configurations, including CO sensors with a range of 0–2000ppm, make it ideal for use in a blast furnace (where high-range CO detection is crucial) and other areas of a steel plant.
- Ventis Pro Series instruments are backed by the Guaranteed for Life™ warranty program and exceed the steel 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).

- 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.
- 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 at any time. Streamlined assignments make user and site data easy to collect, leading to more effective data analysis.

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.