Why Do I Need a Multi-Gas Monitor in Confined Spaces?

1. OSHA requires it.

   According to OSHA, confined spaces are responsible for around 200 deaths every year and 60% of those deaths are workers who were attempting a rescue.* Before an employee enters the space, the internal atmosphere should be tested with a calibrated direct-reading instrument for oxygen content, flammable gases and vapors, and potential toxic air contaminants – in that order. (*cited rom dol.gov)

2. Confined space environments can change. You could introduce gases to the environment, as they can be a biproduct of your work or the weather can shift gases towards a confined space without warning.

   Safety laws require a pre-entry test just prior to a worker entering a confined space. Workers are only required to test again after leaving the space and preparing to re-enter. Naturally, this leaves a lot of room for error if atmospheric conditions change while a worker is within the confined space, which is likely why confined space injuries and fatalities occur so frequently.

3. The attendant needs to understand what gas type is being emitted inside the space to ensure a prompt evacuation or rescue.

   Create more efficient processes by automatically sharing entrant readings and alarms to an attendant/hole watch's monitor, allowing them to keep an eye on multiple spaces at once.

4. Gas hazards are unpredictable and confined spaces Worker are dangerous, making it very important for confined space workers to continuously monitor gas levels with a direct-reading portable gas monitor. Direct-reading monitors not only tell workers whether the atmosphere in a confined space is safe, but also how safe.

   Pumped gas detectors, like the Ventis® Pro5 and Ventis® MX4 allow users to take samples of a space before entering and continuously monitor the space throughout the work.

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1. Ventis® MX4 Multi-Gas Monitor – Basic four-gas confined space monitor is available with or without a pump. Available in either black or safety orange, the Ventis® MX4 offers the portability and size of a single gas instrument while delivering multi-gas protection. Red strobes make hazard levels easy to identify and train to.

VTS-KG234101101	Ventis MX4, LEL (Pentane), CO/H2 Low, H2S, O2, Slim Extended Li-ion Battery, Desktop Charger, Without Pump, Orange
18109327-131	DSXi Cloud-connected Docking Station Kit for Ventis MX4, kit includes regulator and gas

2. Ventis® Pro5 Multi-Gas Monitor – Detect up to five gases simultaneously with the rugged, wireless, Ventis® Pro5 Multi-Gas Monitor. Safety goes beyond the gas detector, whether you need team-based alarm sharing, remote monitoring with location details, or both. Available with or without a pump, the Ventis® Pro5 includes features such as man down alarms, alarm action messages, and red and blue strobes.

VP5-KG234101111	Ventis Pro5, LEL (Pentane), CO/H2 Low, H2S, O2, Li-Ion Slim Extended Battery, Desktop Charger, No Pump, Orange, LENS Wireless
18109162-1111	Ventis Slide-on Pump, Lithium-ion Battery Pack, High Visibility Orange
18109327-131	DSXi Cloud-connected Docking Station Kit for Ventis MX4, kit includes regulator and gas

3. Tango® TX1 Single Gas Monitor – DualSense® technology increases worker safety while reducing overall costs. May be used to detect CO, H_2S, SO_2, or NO_2.

TX1-1	Tango TX1, CO
18109330-131	DSXi Cloud-connected Docking Station for Tango TX1, 3 Inlet Ports

4. DSXi Docking Station – The DSX in cloud-connected mode is an automated maintenance, record storage, and fleet management solution. With the DSX Docking Station, you can easily charge, bump test, calibrate, update software, collect alarm data, and more.

18109327-131	DSXi Cloud-connected Docking Station Kit for Ventis MX4, kit includes regulator and gas
18109330-131	DSXi Cloud-connected Docking Station for Tango TX1, 3 Inlet Ports

5. Calibration Gases – Calibration gases ensure that your gas detectors are working properly by verifying that your monitor is responding to gas exposure as expected. Gas detectors should be bump tested daily and calibrated monthly to ensure the sensors are working properly.

18109157	Cylinder, Calibration Gas, 25 ppm H2S, 100 ppm CO, 0.35% Pentane (25% LEL), 18% O2, Aluminum, 116L
18102163	Cylinder, Calibration Gas 100 ppm CO, Steel, 103L

6. Accessories – Manual calibration, confined space entries, and other applications may require additional accessories such as probes, filters, sample tubing, cases and more.

18108650-0	Ventis 6-Unit Charger
18109244	Regulator, Demand with Switch (250 PSI), 0-3 LPM, CGA-C10, Male
17124348	Holder, Gas Cylinder, Wall Mount
18109207-10	Kit, Tubing, Urethane, 10 FT
18109207-30	Kit, Tubing, Urethane, 30 FT

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