

# Ventis™ MX4

Multi-Gas Detector.

## Introduction

The Ventis™ MX4 is a portable multi-gas monitor. The MX4 takes your gas detection program to the next level. Offered as a diffusion monitor, it detects and measures gas(es) present in open space. To enable monitor use within confined space locations, the Ventis MX4 is also offered as an aspirated monitor. A pump module and battery accessories enable the conversion of either monitor for dedicated use in confined or open spaces.

## Key Features

- Detect from one to four gases with a wide range of sensor options.
- Draw samples from up to 100 feet with an optional, integrated sampling pump.
- Gain increased instrument visibility with a safety orange overmold.
- Realize true portability with multi-gas protection in single-gas size.
- Use the extended range battery for up to 20 hours (without pump).

## Key Benefits

- Provides superior user configurable datalogging and hygiene functions allowing the operator to input user data and site information.
- Rugged stainless steel housing to provide maximum durability and RFI protection.
- Superior security and safety features.



# Technical Specifications

[www.unitedsafety.net](http://www.unitedsafety.net)

## Ventis™ MX4

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Technical Specifications	
Size	103x58x30 mm (4.1x2.3x1.2") Lithium-ion battery 172x67x66 mm (6.8x2.6x2.6") Pump lithium-ion version
Weight	182 g (6.4 oz) Lithium-ion battery 380 g (13.4 oz) Pump lithium-ion version
Display	Backlit Liquid Crystal Display (LCD)
Power Sources / Run Time	Rechargeable Lithium-ion battery pack (12 hours typical @20°C) Rechargeable extended range lithium-ion battery pack (20 hours typical @20°C/20 hours typical @20°C w/pump) Replaceable AAA Alkaline battery pack (8 hours typical @20°C)/(4 hours typical @20°C) w/pump
Temperature Range	-20°C to 50°C (-4°F to 122°F) typical
Humidity Range	15 to 95% RH (non-condensing)
Certifications	UL-Class I, Division 1, Groups A,B,C,D T4; Zone 0, AEx ia d IIC T4. Class II, Groups F G (Carbonaceous & Grain dust), IP66; IP67 CSA-Class I, Groups A,B,C,D; Ex ia d IIC T4 MSHA-Intrinsically safe for Methane/Air mixtures only
Sensors	Combustible Gas/Methane - Catalytic Diffusion O <sub>2</sub> , CO/H <sub>2</sub> low, CO, H <sub>2</sub> S NO <sub>2</sub> , SO <sub>2</sub> - Electrochemical

Sensor Specifications	
Gas	Measuring Range
Combustible Gases	0-100% LEL in 1% increments
CH <sub>4</sub>	0-5% of vol. in 0.01% increments
O <sub>2</sub>	0-30% of vol. in 0.1% increments
CO/H <sub>2</sub> low	0-1,000 ppm in 1 ppm increments
CO	0-1,000 ppm in 1 ppm increments
H <sub>2</sub> S	0-500 ppm in 0.1 ppm increments
NO <sub>2</sub>	0-150 ppm in 0.1 ppm increments
SO <sub>2</sub>	0-150 ppm in 0.1 ppm increments

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UL	Class I, Division 1, Groups A,B,C,D T4; Zone 0, AEx ia d IIC T4. Class II, Groups F G (Carbonaceous & Grain dust), IP66; IP67
ATEX	Ex ia IIC T4 Ga and Ex ia I Ma; Equipment Group and Category II 1G and I M1; IP 66; IP67
CSA	Class I, Division 1, Groups A B C D, T4; Ex d ia IIC T4 C22.2 No. 152 for %LEL reading only
ANZEx	Ex ia s Zone 0 IIC T4; IP66; IP67
MSHA	30 CFR Part 22; Permissible for underground mines; Li-ion versions only