Pump up your gas detection program

Configured for your safety, the Ventis™ MX4 multi-gas detector takes your gas detection program to the next level.

- 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)
- Discover a better way to do gas detection with the Ventis on iNet™

Build your Ventis today at www.indsci.com/ventisbuilder
No matter the industry, workplaces are becoming more complex. Demands for increased productivity and efficiency persist to become the focal point of operations. In order to meet such high demands, employees working in potentially hazardous environments require a high-quality, reliable gas detector that above all else, keeps them safe.

The highly configurable Ventis is specifically designed to meet unique gas detection needs while maintaining worker safety. Available with or without an optional, integral pump, the Ventis is ideal for confined space or personal monitoring. In addition to multiple sensor and battery configurations, you can choose from a robust suite of accessories. Each of these options for configuration ensures that when you receive your monitor, you receive only what you need. Best of all, the Ventis is compatible with iNet, enabling increased efficiency, safety and reduced costs.

**Increased efficiency**
Focus on what is core to your business while we handle your gas detection program. As the Gas Detection People, gas detection is not only what we do - it's what we love to do.

**Increased safety**
On average, gas detectors go into high alarm once every ten days. Do you know how many high alarms your facility had? iNet gives you information and tools to fix problems before they happen.

**Reduced costs**
A gas detector’s purchase price does not include continuous maintenance and servicing expenses. Eliminate unnecessary ownership and maintenance costs by subscribing to Gas Detection as a Service.

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**How Gas Detection as a Service Works**

1. Operators dock gas detectors owned by Industrial Scientific.
2. Docking stations perform bump tests, calibrations and record keeping.
3. iNet Control provides visibility into your gas detection program via the Internet.
4. iNet emails real-time alerts and status reports.
5. When iNet detects a problem, Industrial Scientific rushes a replacement gas detector to you.

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**Don’t Buy Gas Detectors**
Subscribe to Gas Detection as a Service
**BASE INSTRUMENT SENSOR OPTIONS**

<table>
<thead>
<tr>
<th>BASE INSTRUMENT</th>
<th>SENSOR OPTIONS</th>
<th>BATTERY OPTIONS</th>
<th>VERSION OPTIONS</th>
<th>AGENCY CERTIFICATIONS</th>
<th>COLOR OPTIONS</th>
<th>REFERENCE GUIDE LANGUAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENTIS MX4™</td>
<td>Combustible Gases (sensor position 1): LEL (Pentane) LEL (Methane) CH₄ (0-5%)</td>
<td>Lithium-ion Battery Pack</td>
<td>Ventis</td>
<td>UL/CSA</td>
<td>Black</td>
<td>English <em>(1)</em> Russian <em>(9)</em></td>
</tr>
<tr>
<td></td>
<td>Toxic Gases (sensor position 2 &amp; 3): CO H₂S SO₂ NO₂</td>
<td>Lithium-ion Extended Range Battery Pack*</td>
<td>Ventis with Pump**</td>
<td>ATEX/IECEx</td>
<td>Safety Orange</td>
<td>French <em>(2)</em> Polish <em>(A)</em></td>
</tr>
<tr>
<td></td>
<td>Oxygen (sensor position 4): O₂</td>
<td>Alkaline Battery Pack</td>
<td>Ventis with Pump and Conversion Kit**</td>
<td></td>
<td></td>
<td>Spanish <em>(3)</em> Czech <em>(B)</em></td>
</tr>
</tbody>
</table>

*Required for units with a Pump
**Requires Extended Range Battery Pack

Instrument language can be configured to English, French or German. If one of these languages is selected, instrument will be configured to that language.

**Build and price your Ventis online with the Ventis MX4 instrument builder.**

www.indsci.com/ventisbuilder

**The Ventis is particularly useful in the following industries:**

- Chemical
- Construction
- Electrical / Gas Utilities
- Fire Service
- Oil and Gas
- Public Works
- Steel Production
- Water / Waste Water Treatment

**MOST COMMON INSTRUMENT CONFIGURATIONS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTS-K123100y0z</td>
<td>Ventis - LEL, CO, H₂S, O₂, Li-ion, Desktop Charger, Black</td>
</tr>
<tr>
<td>VTS-K1231201y0z</td>
<td>Ventis - LEL, CO, H₂S, O₂, Li-ion, Desktop Charger/Datalink, Safety Orange</td>
</tr>
<tr>
<td>VTS-K1232110y0z</td>
<td>Ventis with Pump - LEL, CO, H₂S, O₂, Ext. Li-ion, Desktop Charger, Safety Orange</td>
</tr>
<tr>
<td>VTS-K1232111y0z</td>
<td>Ventis with Pump - LEL, CO, H₂S, O₂, Ext. Li-ion, Desktop Charger, Black, Soft Case</td>
</tr>
<tr>
<td>VTS-K1232110y12</td>
<td>Ventis with Pump - LEL, CO, H₂S, O₂, Ext. Li-ion, Desktop Charger, Black, Soft Case</td>
</tr>
<tr>
<td>VTS-L1232110y22</td>
<td>Ventis with Pump - LEL (methane), CO, H₂S, O₂, Ext. Li-ion, Desktop Charger, Black, Hard Case with Display Window</td>
</tr>
<tr>
<td>VTS-K5232111y0z</td>
<td>Ventis with Pump - LEL, SO₂, H₂S, O₂, Ext. Li-ion, Desktop Charger, Safety Orange</td>
</tr>
</tbody>
</table>

y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx
2 = Language for included Reference Guide: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = ITA, 6 = DUT, 7 = PT, 9 = RUS, A = POL, B = CZE, C = CN, D = DAN, E = NOR, F = FIN, G = SWE
### VENTIS MX4 PUMP USD PRICING MATRIX

**Example:** VTSP-0011 - Ventis MX4 Pump, No Battery, Black, UL/CSA, English

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>Base</th>
<th>Battery</th>
<th>Color</th>
<th>Approvals</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventis MX4 Pump</td>
<td>VTSP-</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Select options below in addition to base price

#### BATTERY

- None: 0
- Lithium-ion Extended Range Battery Pack (required for units with a pump): 2
- Alkaline Battery Pack: 3

#### COLOR

- Black: 0
- Safety Orange: 1

#### CERTIFICATIONS

- UL/CSA: 1
- ATEX/IECEx: 2

### VENTIS MX4 BATTERY KIT USD PRICING MATRIX

**Example:** VTSB-101 - Ventis MX4 Li-ion Battery Kit, Black, UL/CSA/ATEX/IECEx

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>Base</th>
<th>Battery</th>
<th>Color</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventis MX4 Battery Kit</td>
<td>VTSB-</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

Select options below in addition to base price

- Lithium-ion Battery: 1
- Lithium-ion Extended Range Battery (required for units with a pump): 2
- Alkaline Battery: 3

#### COLOR

- Black: 0
- Safety Orange: 1

#### CERTIFICATIONS

- UL/CSA/ATEX/IECEx: 1

### CONFINED SPACE KITS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VK-K123211xy1z</td>
<td>Ventis Confined Space Kit - LEL, CO, H2S, O2</td>
</tr>
<tr>
<td>VK-K103211xy1z</td>
<td>Ventis Confined Space Kit - LEL, CO, O2</td>
</tr>
<tr>
<td>VK-K023211xy1z</td>
<td>Ventis Confined Space Kit - LEL, H2S, O2</td>
</tr>
<tr>
<td>VK-K003211xy1z</td>
<td>Ventis Confined Space Kit - LEL, O2</td>
</tr>
</tbody>
</table>

x = Instrument Color: 0 = Black, 1 = Safety Orange
y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx
z = Language for included Guide: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = ITA, 6 = DUT, 7 = PT, 9 = RUS, A = POL, B = CZE, C = CN, D = DAN, E = NOR, F = FIN, G = SWE

Ventis Confined Space Kits Include: Ventis with pump, universal charger, soft carrying case, service tool, reference guide, calibration tubing, dust filter/water stop, calibration fitting, sample tubing, calibration gas (appropriate mix) with regulator, rugged plastic case.

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Batteries include: Battery pack, battery cover with appropriate label and screws.
<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>18108630-0BC</td>
<td>DS2 Docking Station™ for Ventis MX4</td>
</tr>
<tr>
<td>B = Quantity of iGas® Reader: 0 = None, 1 = 1 iGas® Reader, 2 = 2 iGas® Readers, 3 = 3 iGas® Readers</td>
<td></td>
</tr>
<tr>
<td>C = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ</td>
<td></td>
</tr>
<tr>
<td>18108631-AB</td>
<td>V•Cal™ Calibration Station A = Instrument Type: 0 = Ventis, 1 = Ventis with Pump</td>
</tr>
<tr>
<td>B = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ</td>
<td></td>
</tr>
<tr>
<td>18107664-ABC</td>
<td>Coming in Q3 2011 V•Cal™ 6-Unit Calibration Station AB = Number of Ventis (A) and Ventis with Pump (B) Instruments 06 = 0 Ventis and 6 Ventis with Pump 33 = 3 Ventis and 3 Ventis with Pump 60 = 6 Ventis and 0 Ventis with Pump C = Power Cord: 0 = Universal with US, UK, EU, AUS Plug Adapters</td>
</tr>
<tr>
<td>18107763</td>
<td>Serial Data Dot Matrix Printer for V•Cal™ – 120 VAC powered</td>
</tr>
<tr>
<td>18108191</td>
<td>Single-Unit Charger</td>
</tr>
<tr>
<td>18108209</td>
<td>Single-Unit Charger/Datalink</td>
</tr>
<tr>
<td>18108651</td>
<td>Single-Unit Automotive Charger, 12VDC, with Plug</td>
</tr>
<tr>
<td>18108652</td>
<td>Single-Unit Truck-Mount Charger, 12VDC, with Plug</td>
</tr>
<tr>
<td>18108653</td>
<td>Single-Unit Truck-Mount Charger, 12VDC, Hard Wired</td>
</tr>
<tr>
<td>18108650-A</td>
<td>6-Unit Charger – A = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ</td>
</tr>
<tr>
<td>18108810</td>
<td>Ventis with Pump, Soft Carrying Case</td>
</tr>
<tr>
<td>18108811</td>
<td>Ventis with Pump, Hard Carrying Case with Display</td>
</tr>
<tr>
<td>18108812</td>
<td>Ventis with Pump, Hard Carrying Case without Display</td>
</tr>
<tr>
<td>17134461</td>
<td>Replacement Sensor, Oxygen (O₂)</td>
</tr>
<tr>
<td>17134479</td>
<td>Replacement Sensor, Hydrogen Sulfide (H₂S)</td>
</tr>
<tr>
<td>17134487</td>
<td>Replacement Sensor, Carbon Monoxide (CO)</td>
</tr>
<tr>
<td>17134495</td>
<td>Replacement Sensor, Combustible Gas (LEL/CH₄)</td>
</tr>
<tr>
<td>17134503</td>
<td>Replacement Sensor, Nitrogen Dioxide (NO₂)</td>
</tr>
<tr>
<td>17143595</td>
<td>Replacement Sensor, Sulfur Dioxide (SO₂)</td>
</tr>
<tr>
<td>17148313-1</td>
<td>Replacement Extended Range Li-ion Battery Pack, UL/CSA/ATEX/IECEx</td>
</tr>
<tr>
<td>17150608</td>
<td>Replacement Alkaline Battery Pack</td>
</tr>
<tr>
<td>17152828-01</td>
<td>Ventis Conversion Kit, Ventis with Pump to Ventis without Pump, Black, UL/CSA/ATEX/IECEx</td>
</tr>
<tr>
<td>17152828-11</td>
<td>Ventis Conversion Kit, Ventis with Pump to Ventis without Pump, Safety Orange, UL/CSA/ATEX/IECEx</td>
</tr>
</tbody>
</table>
Case Material:
Poly carbonate with Protective Rubber Overmold

Dimensions:
103 mm x 58 mm x 30 mm (4.1” x 2.3” x 1.2”) - Ventis, Lithium-ion Battery Version (typical)
172 mm x 87 mm x 66 mm (6.8” x 2.6” x 2.6”) - Ventis with Pump, Lithium-ion Battery Version (typical)

Weight:
182 g (6.4 oz) - Ventis, Lithium-ion Battery Version (typical)
380 g (13.4 oz) - Ventis with Pump, Lithium-ion Battery Version (typical)

Operating Temperature Range:
-20°C- 50°C (-4°F-122°F) typical

Operating Humidity Range:
15%-95% Non-condensing (continuous) typical

Display/Readout:
Backlit Liquid Crystal Display (LCD)

Power Source/Run Time:
Rechargeable Lithium-ion Battery Pack
(12 hours typical @ 20°C) - Ventis
Rechargeable Extended-Range Lithium-ion Battery Pack
(20 hours typical @ 20°C) - Ventis
(12 hours typical @ 20°C) - Ventis with Pump
Replaceable AAA Alkaline Battery Pack
(8 hours typical @ 20°C) - Ventis
(4 hours typical @ 20°C) - Ventis with Pump

Alarms:
Ultra-bright LEDs, loud audible alarm (95 dB at 30 cm) and vibrating alarm

Sensors:
Combustible gases/methane - Catalytic Diffusion
O₂, CO, H₂S, NO₂, SO₂ - Electrochemical

Measuring Ranges:
Combustible Gases: 0-100% LEL in 1% increments
Methane (CH₄): 0-5% of vol. in 0.01% increments
Oxygen (O₂): 0-30% of vol. in 0.1% increments
Carbon Monoxide (CO): 0-1,000 ppm in 1 ppm increments
Hydrogen Sulphide (H₂S): 0-500 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO₂): 0-150 ppm in 0.1 ppm increments
Sulfur Dioxide (SO₂): 0-150 ppm in 0.1 ppm increments

Certifications:
UL
Class I, Division 1, Groups A B C D, T4
Class II, Groups F G (Carbonaceous & Grain Dust)
Class I, Zone 1, AEx ia d IIC
IP66
IP67

ATEX
Ex d ia I Mb / Ex d ia IIC T4Gb;
Equipment Group and Category I M2 and II 2G
IP66
IP67

IECEx
Ex d ia IIC T4Gb
IP66
IP67

CSA
Class I, Division 1, Groups A B C D, T4
C22.2 No. 152
Ex d ia IIC T4

ISO 9001:2008 CERTIFIED
ISO 14001:2004 CERTIFIED

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