

Pump up your gas detection program



VENTIS MX4

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**



**INDUSTRIAL
SCIENTIFIC**

www.indsci.com

 <p>Supplied with Monitor: Calibration Cup (Ventis), Calibration Tubing, Sample Tubing (Ventis with Pump), Service Tool, Ventis MX4 Reference Guide</p>	Combustible Gases (sensor position 1): LEL (Pentane) LEL (Methane) CH ₄ (0-5%)	Lithium-ion Battery Pack	Ventis	UL/CSA	Black	English * (1)	Russian (9)	
		Lithium-ion Extended Range Battery Pack*	Ventis with Pump**	ATEX/IECEX	Safety Orange	French * (2)	Polish (A)	
	Toxic Gases (sensor position 2 & 3): CO H ₂ S SO ₂ NO ₂	Alkaline Battery Pack	Ventis with Pump and Conversion Kit**				Spanish (3)	Czech (B)
	Oxygen (sensor position 4): O ₂						German * (4)	Chinese (C)
							Italian (5)	Danish (D)
				*Required for units with a Pump		Dutch (6)	Norwegian (E)	
				**Requires Extended Range Battery Pack		Portuguese (7)	Finnish (F)	
				+ Instrument language can be configured to English, French or German. If one of these languages is selected, instrument will be configured to that language.			Swedish (G)	

 **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



- Stand-alone operation
- Link up to 100 IDS modules – dock thousands of instruments
- Automatic instrument calibration, record keeping, diagnostics and recharging
- Utilizes one central database
- Multilingual display
- iNet™ compatible

MOST COMMON INSTRUMENT CONFIGURATIONS	
PART NO.	DESCRIPTION
VTS-K1231100y0z	Ventis - LEL, CO, H ₂ S, O ₂ , Li-ion, Desktop Charger, Black
VTS-K1231201y0z	Ventis - LEL, CO, H ₂ S, O ₂ , Li-ion, Desktop Charger/Datalink, Safety Orange
VTS-K5231300y1z	Ventis - LEL, SO ₂ , H ₂ S, O ₂ , Li-ion, Auto Charger, Black, Soft Case
VTS-K1031301y0z	Ventis - LEL, CO, O ₂ , Li-ion, Auto Charger, Safety Orange
VTS-K1431000y1z	Ventis - LEL, CO, NO ₂ , O ₂ , Li-ion, No Charger, Black, Soft Case
VTS-K1232111y0z	Ventis with Pump - LEL, CO, H ₂ S, O ₂ , Ext. Li-ion, Desktop Charger, Safety Orange
VTS-K1232110y1z	Ventis with Pump - LEL, CO, H ₂ S, O ₂ , Ext. Li-ion, Desktop Charger, Black, Soft Case
VTS-L1232110y2z	Ventis with Pump - LEL (methane), CO, H ₂ S, O ₂ , Ext. Li-ion, Desktop Charger, Black, Hard Case with Display Window
VTS-K5232111y0z	Ventis with Pump - LEL, SO ₂ , H ₂ S, O ₂ , Ext. Li-ion, Desktop Charger, Safety Orange

y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEX
 z = 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



18108631-00 V-CAL WITH VENTIS INSTRUMENT* (*monitor not included)

18108631-10 V-CAL WITH VENTIS WITH PUMP INSTRUMENT* (*monitor not included)



18108191 VENTIS CHARGER



18108650-0 6-UNIT CHARGER



18108209 CHARGER/DATALINK



18107763 PRINTER

18108653 TRUCK-MOUNT CHARGER, HARD WIRED



18108652 TRUCK-MOUNT CHARGER, WITH PLUG



18108651 AUTOMOTIVE CHARGER

18108810 VENTIS WITH PUMP SOFT CARRYING CASE

18108811 VENTIS WITH PUMP HARD CARRYING CASE WITH DISPLAY

18108175 VENTIS WITHOUT PUMP SOFT CARRYING CASE, LI-ION BATTERY

PART NO.	DESCRIPTION
18108630-0BC	DS2 Docking Station™ for Ventis MX4 B = Quantity of iGas® Reader: 0 = None 1 = 1 iGas® Reader 2 = 2 iGas® Readers 3 = 3 iGas® Readers C = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ
18108631-AB	V•Cal™ Calibration Station A = Instrument Type: 0 = Ventis, 1 = Ventis with Pump B = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ
18107664-ABC	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 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ
18107763	Serial Data Dot Matrix Printer for V•Cal™ – 120 VAC powered
18108191	Single-Unit Charger
18108209	Single-Unit Charger/Datalink
18108651	Single-Unit Automotive Charger, 12VDC, with Plug
18108652	Single-Unit Truck-Mount Charger, 12VDC, with Plug
18108653	Single-Unit Truck-Mount Charger, 12VDC, Hard Wired
18108650-A	6-Unit Charger – A = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ
18108830	Ventis Hand Pump (manual bulb)
18108175	Ventis without Pump, Soft Carrying Case, Li-ion Battery
18108183	Ventis without Pump, Soft Carrying Case, Extended Range Li-ion Battery or Alkaline
18108813	Ventis without Pump, Hard Carrying Case with Display, Li-ion Battery
18108814	Ventis without Pump, Hard Carrying Case with Display, Extended Range Li-ion Battery or Alkaline
18108815	Ventis without Pump, Hard Carrying Case without Display, Li-ion Battery
18108816	Ventis without Pump, Hard Carrying Case without Display, Extended Range Li-ion Battery or Alkaline
18108810	Ventis with Pump, Soft Carrying Case
18108811	Ventis with Pump, Hard Carrying Case with Display
18108812	Ventis with Pump, Hard Carrying Case without Display
17134461	Replacement Sensor, Oxygen (O ₂)
17134479	Replacement Sensor, Hydrogen Sulfide (H ₂ S)
17134487	Replacement Sensor, Carbon Monoxide (CO)
17134495	Replacement Sensor, Combustible Gas (LEL/CH ₄)
17134503	Replacement Sensor, Nitrogen Dioxide (NO ₂)
17143595	Replacement Sensor, Sulfur Dioxide (SO ₂)
17148313-1	Replacement Extended Range Li-ion Battery Pack, UL/CSA/ATEX/IECEx
17150608	Replacement Alkaline Battery Pack
17152828-01	Ventis Conversion Kit, Ventis with Pump to Ventis without Pump, Black, UL/CSA/ATEX/IECEx
17152828-11	Ventis Conversion Kit, Ventis with Pump to Ventis without Pump, Safety Orange, UL/CSA/ATEX/IECEx

Case Material:

Polycarbonate 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 67 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 (CH ₄):	0-5% of vol. in 0.01% increments
Oxygen (O ₂):	0-30% of vol. in 0.1% increments
Carbon Monoxide (CO):	0-1,000 ppm in 1 ppm increments
Hydrogen Sulfide (H ₂ S):	0-500 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO ₂):	0-150 ppm in 0.1 ppm increments
Sulfur Dioxide (SO ₂):	0-150 ppm in 0.1 ppm increments

ISO 9001:2008
 CERTIFIED ✓

ISO 14001:2004
 CERTIFIED ✓



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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 T4 Gb;
 Equipment Group and Category I M2 and II 2G
 IP66
 IP67

IECEx

Ex d ia IIC T4 Gb
 IP66
 IP67

CSA

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



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