

# 4채널 휴대용 가스감지기

## VENTIS MX4

- ▷ Monitors 1-4 gases
- ▷ 샘플링 펌프(Optional)
- ▷ 검정색 또는 오렌지색 선택가능
- ▷ iNet™ 이용가능과 도킹 스테이션 호환
- ▷ CH<sub>4</sub>, CO, H<sub>2</sub>S, LEL, NO<sub>2</sub>, SO<sub>2</sub>, O<sub>2</sub>



VENTIS MX4(Orange color)

VENTIS MX4(Black color)

## Specification

VENTIS MX4	
Instrument Warranty:	Two- year warranty, including sensors and battery
Case materials:	Polycarbonate w/ 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 172 mm x 67 mm x 66 mm (6.8" x 2.6" x 2.6") - Ventis with pump lithium-ion battery version
Weight:	182 g (6.4 oz) - Ventis, lithium-ion battery version 380 g (13.4 oz) - Ventis with Pump, lithium-ion battery version
Operating Temperature range:	-20°C ~ 50°C Typical
Operating Humidity Range:	15%-95% Non-condensing (continuous)
Display:	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 Replaceable AAA alkaline battery pack (12 hours typical @ 20°C) - Ventis with pump (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 O <sub>2</sub> , CO, H <sub>2</sub> S, NO <sub>2</sub> , SO <sub>2</sub> - Electrochemical
Sensor Measuring Ranges:	Combustible Gases : 0-100% LEL in 1% increments Methane (CH <sub>4</sub> ) : 0-5% of vol. in 0.01% increments Oxygen (O <sub>2</sub> ) : 0-30% of vol. in 0.1% increments Carbon monoxide (CO) : 0-1,000 ppm in 1 ppm increments Hydrogen sulfide (H <sub>2</sub> S) : 0-500 ppm in 0.1 ppm increments Nitrogen dioxide (NO <sub>2</sub> ) : 0-150 ppm in 0.1 ppm increments Sulfur dioxide (SO <sub>2</sub> ) : 0-150 ppm in 0.1 ppm increments
CERTIFICATION	
UL:	Class I, Division 1, Groups A B C D, T4; Zone 0, AEx ia 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; IP66; IP67
IECEX:	Ex ia IIC T4 Ga; IP66; 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 I/IICT4; IP66; IP67
INMETRO:	Ex d ia IIC T4 Gb; IP66; IP67
KOSHA:	Ex d ia IIC T4
MSHA:	30 CFR Part 22; Permissible for underground mines; Li-ion versions only
PA-DEP:	Permissible for PA Bituminous Underground Mines
China Ex:	Ex ia d IIC T4 Gb
China CMC:	Metrology approval
China MA:	Approved for underground mines; diffusion (without pump) standard Alkaline version only
GOST- K:	PBExdial X / 1ExdialICT4 X
GOST-R:	PBExdial X / 1ExdialICT4 X

# VENTIS MX4 Ordering Matrix

BASE INSTRUMENT	SENSOR OPTIONS	BATTERY OPTIONS	VERSION OPTIONS	AGENCY CERTIFICATIONS	COLOR OPTIONS	REFERENCE GUIDE LANGUAGE		
<b>Supplied with Monitor</b> Calibration Cup (Ventis), Sample Tubing (Ventis with Pump), Ventis MX4 Reference Guide	<b>Combustible Gases</b> (sensor position 1) LEL (Pentane) LEL (Methane) CH4 (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 / INMETRO	Safety Orange	French + (2)	Polish (A)	
		Alkaline Battery Pack	Ventis with Pump and Conversion Kit**	ANZEx		Spanish (3)	Czech (B)	
	<b>Toxic Gases</b> (sensor position 2 & 3) CO H2S SO2 NO2				MSHA		German + (4)	Chinese (C)
					CHINA EX		Italian (5)	Danish (D)
					CHINA MA		Dutch (6)	Norwegian (E)
					ANZEx		Portuguese (7)	Finnish (F)
					KOSHA			Swedish (G)
	Oxygen (sensor position 4): O2							

\* 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.

## Most Common Instrument Configurations (UL/CSA)

PART NUMBER	DESCRIPTION
VTS-K1231100y0z	Ventis - LEL, CO, H2S, O2, Li-ion, Desktop Charger, Black
VTS-K1231201y0z	Ventis - LEL, CO, H2S, O2, Li-ion, Desktop Charger/Datalink, Safety Orange
VTS-K5231300y1z	Ventis - LEL, SO2, H2S, O2, Li-ion, Auto Charger, Black, Soft Case
VTS-K1031301y0z	Ventis - LEL, CO, O2, Li-ion, Auto Charger, Safety Orange
VTS-K1431000y1z	Ventis - LEL, CO, NO2, O2, Li-ion, No Charger, Black, Soft Case
VTS-K1232111y0z	Ventis with Pump - LEL, CO, H2S, O2, Ext. Li-ion, Desktop Charger, Safety Orange
VTS-K1232110y1z	Ventis with Pump - LEL, CO, H2S, O2, Ext. Li-ion, Desktop Charger, Black, Soft Case
VTS-L1232110y2z	Ventis with Pump - LEL (methane), CO, H2S, O2, Ext. Li-ion, Desktop Charger, Black, Hard Case with Display Window
VTS-K5232111y0z	Ventis with Pump - LEL, SO2, H2S, O2, Ext. Li-ion, Desktop Charger, Safety Orange

y = Agency Certification : 1 = UL/CSA, 2 = ATEX/IECEx/INMETRO, 4=ANZEx, 5=CHINA EX, 8=KOSHA  
 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

## Accessories



VENTIS MX4 with Pump



VENTIS MX4 with Pump  
가죽 케이스



VENTIS MX4 Calibration Gas



VENTIS MX4 in DS2



Single unit charger / Datalink