

**INSTRUMENT WARRANTY:**

Two-year warranty, including sensors and battery

**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

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 (-4°F-122°F)

**OPERATING HUMIDITY RANGE:**

15%-95% Non-condensing (continuous)

**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  
O<sub>2</sub>, CO, CO/H<sub>2</sub> low, H<sub>2</sub>S, NO<sub>2</sub>, SO<sub>2</sub> - Electrochemical

**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/H <sub>2</sub> low):	0-1,000 ppm in 1 ppm 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

**CERTIFICATIONS:**

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/IIC T4; IP66; IP67

INMETRO: Ex ia IIC T4 Ga; 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) Alkaline version only

China KA: Ex ia d I Mb, diffusion (without pump) Alkaline version only

GOST- K: PBExdial X / 1ExdialICT4 X

GOST-R: PBExdial X / 1ExdialICT4 X

MED: Portable Multigas Detector; Category 2 (MED 2012/32/EU); Li-Ion only Charger/Docking Station accessories; category 1

SANS-1515: SANS 1515-1; Type A; Ex ia I/IIC T4 IP66/67; Li-Ion only

TIIS: Ex ia IIC T4 X

**SUPPLIED WITH MONITOR:**

Calibration Cup (Ventis), Sample Tubing (Ventis with pump), Ventis MX4 Reference Guide

**REFERENCE GUIDE LANGUAGE:**

English (1), French (2), Spanish (3), German (4), Italian (5), Dutch (6), Portuguese (7), Russian (9), Polish (A), Czech (B), Chinese (C), Danish (D), Norwegian (E), Finnish (F), Swedish (G), Japanese (J)

\* These specifications are based on performance averages and may vary by instrument.



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