



VENTIS[®] PRO5

Detect up to five gases simultaneously with the rugged, wireless, Ventis[®] Pro5 Multi-Gas Monitor. With Ventis Pro5, safety goes beyond the gas detector whether you need team-based alarm sharing, remote monitoring with location details, or both. The monitor is also backed by a Guaranteed for Life™ warranty.

- Eliminate the need for two pieces of equipment by using Ventis Pro5 for personal monitoring and confined space entry.
- Train workers on one, multi-purpose gas monitor and reduce the risk and investment of having different devices in the field.
- Improve team and site safety by locally sharing alarms and gas readings between wirelessly connected Ventis Pro5 monitors.
- Get real-time location and alarm data directly from Ventis Pro5 gas monitors to a designated safety contact with the optional cellular or wi-fi battery pack.
- Reinforce safe behavior with programmable alarm action messages like “EVACUATE” or “VENTILATE” based on alarm level.
- Simplify the user experience with the ability to hide unnecessary screens based on user needs, role, industry, or site.

Sensor & Configuration Options

The Ventis Pro5 offers sensor and configuration options for multiple industries and applications, including standard and non-standard 4-gas, 5-gas, and a methane IR sensor, making it a cost-effective option for personal protection and confined space applications.

LEL (CH ₄ % Vol)	CO	IR CO ₂	HCN
LEL (Methane)	CO/H ₂ Low	IR CO ₂ /CH ₄	NH ₃
LEL (Pentane)	CO/H ₂ S	IR CO ₂ /LEL	PH ₃
O ₂	SO ₂	IR HC	PID
H ₂ S	NO ₂	ULP IR CH ₄	
Cl ₂	IR CH ₄	ULP IR HC	

SPECIFICATIONS*

WARRANTY

Guaranteed for Life™. Warranted for as long as the instrument is supported by Industrial Scientific Corporation (Excludes sensors, batteries, and filters). Pump and O₂, LEL, CO, and H₂S sensors warranted for four years. PID sensor warranted for one year. All other sensors and batteries are warranted for two years.

KEYPAD

Two buttons for operation. Dedicated panic button.

DATA LOG

At least 3 months at 10-second intervals

EVENT LOGGING

60 alarm events

INGRESS PROTECTION

IP68 (submersion at 1.5 meters for 1 hour)

CASE MATERIAL

Polycarbonate with protective rubber overmold

DIMENSIONS

104 x 58 x 36 mm (4.1 x 2.3 x 1.4 in) without Pump
 172 x 67 x 65 mm (6.8 x 2.6 x 2.6 in) with Pump
 104 x 58 x 61 mm (4.1 x 2.3 x 2.4 in) with wi-fi and cellular battery

WEIGHT

200 g (7.05 oz) typical, without Pump
 390 g (13.76 oz) typical, with Pump
 243 g (8.5 oz) typical, with wi-fi battery
 247 g (8.7 oz) typical, with cellular battery

HUMIDITY RANGE

15% to 95% non-condensing (continuous)

TEMPERATURE RANGE

-40 °C to 50 °C (-40 °F to 122 °F) **

DISPLAY/READOUT

Backlit liquid crystal display (LCD)

COMMUNICATION

LENS™ WIRELESS MESH NETWORK
 Frequency: ISM license-free band (2.405 - 2.480 GHz)
 Max Peers: 25 devices per network group
 Range: 100 m (300 ft) line of sight, face-to-face
 Encryption: AES-128
 Approvals: FCC Part 15, IC, CE/RED, others†

CELLULAR***

LTE CAT M1
 US: AT&T, Verizon
 Canada: Bell, Rogers, Telus

WI-FI

802.11 b/g/n 2.4GHz wi-fi with WPA2 security

SPECIFICATIONS*

ALARMS

Four visual alarm LEDs (two red, two blue);
95 decibel (dB) audible alarm at a distance of 10 cm (3.94 in);
Vibration alarm

SENSORS

Combustible Gases/Methane – Catalytic Bead
O₂, CO, CO/H₂ low, H₂S, HCN, NH₃, NO₂, PH₃, SO₂, Cl₂ – Electrochemical
CO₂, CH₄, CO₂/LEL, CO₂/CH₄, HC – Infrared, PID, ULP IR CH₄, ULP IR HC

MEASURING RANGES

CATALYTIC BEAD

Combustible Gases: 0-100% LEL in 1% increments
Methane (CH₄): 0-5% of vol in 0.01% increments

ELECTROCHEMICAL

Ammonia (NH₃): 0-500 ppm in 1 ppm increments
Carbon Monoxide (CO): 0-2,000 ppm in 1 ppm increments
Carbon Monoxide (CO/H₂ low): 0-1,000 ppm in 1 ppm increments
Carbon Monoxide/Hydrogen Sulfide: CO: 0-1,500 ppm in 1 ppm increments
H₂S: 0-500 ppm in 0.1 ppm increments

Chlorine (Cl₂): 0-50 ppm in 0.1 ppm increments
Hydrogen Sulfide (H₂S): 0-500 ppm in 0.1 ppm increments
Hydrogen Cyanide (HCN): 0-30 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO₂): 0-150 ppm in 0.1 ppm increments
Oxygen (O₂) (Standard/Long-Life): 0-30% of vol in 0.1% increments
Phosphine (PH₃): 0-10 ppm in 0.01 ppm increments
Sulfur Dioxide (SO₂): 0-150 ppm in 0.1 ppm increments

INFRARED

Carbon Dioxide (CO₂): 0-5% vol in 0.01% increments
Methane (CH₄): 0-5% vol in 0.01% increments

Carbon Dioxide/Combustible
CO₂: 0-5% vol in 0.01% increments
LEL: 0-100% LEL in 1% increments

Carbon Dioxide/Methane:
CO₂: 0-5% vol in 0.01% increments
CH₄: 0-5% vol in 0.01% increments
CH₄: 5-100% vol in 0.1% increments
0-100% LEL in 1% increments
Hydrocarbons
Hydrocarbon (HC ULP): 0-100% LEL in 1% increments
Methane (CH₄ ULP): 0-100% LEL in 0.1% increments
5.1-100% vol in 0.1% increments

PHOTOIONIZATION

Volatile Organic Compounds (10.6 eV) 0-2,000 ppm in 0.1 ppm increments

CERTIFICATIONS

INGRESS PROTECTION IP68

ANZEx: Ex ia I Ma/Ex ia IIC T4 Ga, -40 °C ≤ Ta ≤ 50 °C
Ex d ia I Mb/Ex d ia IIC T4 Gb IR sensor, -20 °C ≤ Ta ≤ 50 °C IR sensor

ATEX: Equipment Group and Category II 1G, Ex ia IIC, Ga, T4
Equipment Group and Category II 2G, Ex d ia IIC, Gb, T4, IR sensor

China CPC: CPA 2017-C103

China Ex: Ex ia IIC T4 Ga, -40 °C ≤ Ta ≤ 50 °C; Ex d ia IIC T4 Gb IR sensor,
-20 °C ≤ Ta ≤ 50 °C IR sensor

CSA: Cl I, Div 1, Gr A-D, T4; Cl I, Zone 1, Ex d ia IIC, T4 | C22.2
No. 152 for % LEL reading only | 70046111

IECEX: Cl I, Zone 0, Ex ia IIC, Ga, T4; Cl I, Zone 1, Ex d ia IIC, Gb, T4, IR sensor

INMETRO: Ex ia IIC T4 Ga, -40 °C ≤ Ta ≤ 50 °C
Ex d ia IIC T4 Gb IR sensor, -20 °C ≤ Ta ≤ 50 °C IR sensor

KC: Ex d ia IIC T4

MSHA: 30 CFR Part 22; Permissible for underground mines

NCC: NCC/TSNI/WN/TA/CERT/3139/2019

PA-DEP: BFE 46-12 Permissible for PA Bituminous underground mines

UL: Cl I, Div 1, Gr A-D, T4; Cl II, Div 1, Gr E-G, T4
Cl I, Zone 0, AEx ia IIC, T4; Cl I, Zone 1, AEx d ia IIC, T4, IR sensor

Ventis Pro5 with wi-fi and cell: certified to ATEX, IECEX, UL, and CSA

See www.indsci.com/ventispro for all certifications.

WIRELESS CERTIFICATIONS

Ventis Pro5 Instruments: FCC, ISED – Canada, EU Radio Equipment Directive (R.E.D.) and many other countries

Ventis Pro5 with wi-fi: FCC, ISED – Canada, EU Radio Equipment Directive (R.E.D.)

Ventis Pro5 with LTE Cat M1 Cellular: FCC, ISED-Canada, PTCRB, AT&T and Verizon

POWER SOURCE/RUN TIME

Rechargeable Slim Extended Lithium-ion battery (no Pump option)
(18 hours typical @ 20 °C) with LEL
(54 hours typical @ 20 °C) with IR

Rechargeable Lithium-ion battery (no Pump option)
(12 hours typical @ 20 °C) with LEL
(36 hours typical @ 20 °C) with IR

Rechargeable Extended-Range Lithium-ion battery with LEL
(23 hours typical @ 20 °C) without Pump
(18 hours typical @ 20 °C) with Pump

Rechargeable Extended-Range Lithium-ion battery with IR
(72 hours typical @ 20 °C) without Pump
(32 hours typical @ 20 °C) with Pump

Rechargeable wi-fi Lithium-ion battery (no Pump option)
(14 hours typical @ 20 °C) with LEL

Rechargeable Cellular Lithium-ion battery (no Pump option)
(14 hours typical @ 20 °C) with LEL

LANGUAGE

English, French, Spanish, German, Italian, Dutch, Portuguese, Polish

SUPPLIED WITH MONITOR

Calibration Cup (without Pump), Sample Tubing (with Pump), Reference Guide

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

** Operating temperatures above 50 °C (122 °F) may cause reduced instrument accuracy. Operating temperatures below -20 °C (-4 °F) may cause reduced instrument accuracy and affect display and alarm performance. See Product Manual for details.

*** Cellular connectivity only available in US and Canada

† See www.indsci.com/wireless-certifications for country-specific wireless approvals and certifications.



Build and price your Ventis Pro5 online with the Instrument Builder

www.indsci.com/VentisProBuilder

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