



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

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. 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

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: 5-100% vol in 0.1% increments
CO₂: 0-5% vol in 0.01% increments

Carbon Dioxide/Methane: LEL: 0-100% LEL in 1% increments
CO₂: 0-5% vol in 0.01% increments
CH₄: 0-5% vol in 0.01% increments

Hydrocarbons: CH₄: 5-100% vol in 0.1% increments
0-100% LEL in 1% 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: CI I, Div 1, Gr A-D, T4; CI I, Zone 1, Ex d ia IIC, T4 | C22.2
No. 152 for % LEL reading only | 70046111

IECEX: CI I, Zone 0, Ex ia IIC, Ga, T4; CI 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: CI I, Div 1, Gr A-D, T4; CI II, Div 1, Gr E-G, T4
CI I, Zone 0, AEx ia IIC, T4; CI 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.

† 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

**INDUSTRIAL
SCIENTIFIC**

AMERICAS

Phone: +1-412-788-4353

www.indsci.com

REV 4 0820

1-800-DETECTS (338-3287) | info@indsci.com

ASIA PACIFIC

Phone: +65-6561-7377

Fax: +65-6561-7787 | info@ap.indsci.com

EMEA

Phone: +33 (0)1 57 32 92 61

Fax: +33 (0)1 57 32 92 67 | info@eu.indsci.com