



# VENTIS<sup>®</sup> PRO5

Detect up to five gases simultaneously with the rugged, wireless, Ventis<sup>®</sup> 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, man-down and motion alerts, or all of the above. 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.
- Improve team and site safety by sharing gas readings, man-down, motion, and gas alarms locally between monitors, directly to the cloud, or both.
- Ensure workers always have help when they need it with real-time gas, man down, and motion alarms.
- 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 <sub>4</sub> % Vol)	CO	IR CH <sub>4</sub>	ULP IR HC
LEL (Methane)	CO High	IR CO <sub>2</sub>	H <sub>2</sub>
LEL (Pentane)	CO/H <sub>2</sub> Low	IR CO <sub>2</sub> /CH <sub>4</sub>	HCN
O <sub>2</sub>	CO/H <sub>2</sub> S	IR CO <sub>2</sub> /LEL	NH <sub>3</sub>
H <sub>2</sub> S	SO <sub>2</sub>	IR HC	PH <sub>3</sub>
Cl <sub>2</sub>	NO <sub>2</sub>	ULP IR CH <sub>4</sub>	PID

## 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 O<sub>2</sub>, LEL, CO, and H<sub>2</sub>S 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

217g (7.7oz) typical, without Pump  
 407g (14.41 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)

### 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 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

Learn More about the Ventis Pro5:  
[www.indsci.com/ventispro](http://www.indsci.com/ventispro)

## 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  
 O<sub>2</sub>, CO, CO High, CO/H<sub>2</sub> low, H<sub>2</sub>, H<sub>2</sub>S, HCN, NH<sub>3</sub>, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub>, Cl<sub>2</sub> – Electrochemical  
 CO<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>/LEL, CO<sub>2</sub>/CH<sub>4</sub>, HC – Infrared, PID, ULP IR CH<sub>4</sub>, ULP IR HC

### MEASURING RANGES

#### CATALYTIC BEAD

Combustible Gases: 0-100% LEL in 1% increments  
 Methane (CH<sub>4</sub>): 0-5% of vol in 0.01% increments

#### ELECTROCHEMICAL

Ammonia (NH<sub>3</sub>): 0-500 ppm in 1 ppm increments  
 Carbon Monoxide (CO): 0-2,000 ppm in 1 ppm increments  
 Carbon Monoxide High (CO High): 0-9,999ppm in 1 ppm increments  
 Carbon Monoxide (CO/H<sub>2</sub> low): 0-1,000 ppm in 1 ppm increments  
 Carbon Monoxide/Hydrogen Sulfide: CO: 0-1,500 ppm in 1 ppm increments  
 H<sub>2</sub>S: 0-500 ppm in 0.1 ppm increments  
 Chlorine (Cl<sub>2</sub>): 0-50 ppm in 0.1 ppm increments  
 Hydrogen (H<sub>2</sub>): 0-2,000 ppm increments  
 Hydrogen Sulfide (H<sub>2</sub>S): 0-500 ppm in 0.1 ppm increments  
 Hydrogen Cyanide (HCN): 0-30 ppm in 0.1 ppm increments  
 Nitrogen Dioxide (NO<sub>2</sub>): 0-150 ppm in 0.1 ppm increments  
 Oxygen (O<sub>2</sub>) (Standard/Long-Life): 0-30% of vol in 0.1% increments  
 Phosphine (PH<sub>3</sub>): 0-10 ppm in 0.01 ppm increments  
 Sulfur Dioxide (SO<sub>2</sub>): 0-150 ppm in 0.1 ppm increments

#### INFRARED

Carbon Dioxide (CO<sub>2</sub>): 0-5% vol in 0.01% increments  
 Methane (CH<sub>4</sub>): 0-5% vol in 0.01% increments  
 5-100% vol in 0.1% increments  
 Carbon Dioxide/Combustible CO<sub>2</sub>: 0-5% vol in 0.01% increments  
 LEL: 0-100% LEL in 1% increments  
 Carbon Dioxide/Methane: CO<sub>2</sub>: 0-5% vol in 0.01% increments  
 CH<sub>4</sub>: 0-5% vol in 0.01% increments  
 CH<sub>4</sub>: 5-100% vol in 0.1% increments  
 Hydrocarbons: 0-100% LEL in 1% increments  
 Hydrocarbon (HC ULP): 0-100% LEL in 1% increments  
 Methane (CH<sub>4</sub> 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

See [www.indsci.com/ventispro](http://www.indsci.com/ventispro) for the product manual with the full certification list.

### LANGUAGE

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

### SUPPLIED WITH MONITOR

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

## COMMUNICATIONS

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
Cellular	United States: LTE CAT M1 (AT&T, Verizon)
	Canada: LTE CAT M1 (Bell, Rogers, Telus)
	EMEA: LTE CAT M1 (Tele2)
	UAE: LTE CAT M1 (Etisalat - E&)
	Brazil: LTE CAT M1 (Claro)
Wi-fi	802.11 b/g/n 2.4GHz wi-fi with WPA2 security

## CERTIFICATIONS

AMERICAS	EUROPE	UAE
Cellular: FCC, ISED – Canada, PTCRB, AT&T and Verizon, Anatel - Brazil	Cellular: Radio Equipment Directive (R.E.D.)	Cellular: TDRA
Wi-fi: FCC, ISED – Canada	Wi-fi: Radio Equipment Directive (R.E.D.)	Wi-fi: TDRA
LENS: FCC, ISED – Canada	LENS: Radio Equipment Directive (R.E.D.)	LENS: TDRA

\* 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.

† Contact sales representative for country-specific wireless approvals and certifications.



Build and price your Ventis Pro5 online with the Instrument Builder  
[www.indsci.com/VentisProBuilder](http://www.indsci.com/VentisProBuilder)

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