



## VENTIS<sup>®</sup> PRO5

Detect up to five gases simultaneously with the rugged, wireless, Ventis<sup>®</sup> Pro5 Personal 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 <sub>4</sub> % Vol)	Cl <sub>2</sub>	NO <sub>2</sub>	IR HC
LEL (Methane)	CO	IR CH <sub>4</sub>	HCN
LEL (Pentane)	CO/H <sub>2</sub> Low	IR CO <sub>2</sub>	NH <sub>3</sub>
O <sub>2</sub>	CO/H <sub>2</sub> S	IR CO <sub>2</sub> /CH <sub>4</sub>	PH <sub>3</sub>
H <sub>2</sub> S	SO <sub>2</sub>	IR CO <sub>2</sub> /LEL	



### SPECIFICATIONS\*

#### WARRANTY

Guaranteed for Life™. Warranted for as long as the instrument is supported by Industrial Scientific Corporation (excludes sensors, batteries, and filters). O<sub>2</sub>, LEL, CO, and H<sub>2</sub>S sensors warranted for three years. All other sensors warranted for two years. Pumps 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 or 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  
244 g (8.6 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: TBD

#### 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  
O<sub>2</sub>, CO, CO/H<sub>2</sub> low, 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

### 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 (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 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  
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  
0-100% LEL in 1% increments

Hydrocarbons

### 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

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

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](http://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)  
(16 hours typical @ 20 °C) with LEL

Rechargeable Cellular Lithium-ion battery (no Pump option)  
(16 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](http://www.indsci.com/wireless-certifications) for country-specific wireless approvals and certifications.



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#### AMERICAS

Phone: +1-412-788-4353

[www.indsci.com](http://www.indsci.com)

REV 1 0819

1-800-DETECTS (338-3287) | [info@indsci.com](mailto:info@indsci.com)

#### ASIA PACIFIC

Phone: +65-6561-7377

Fax: +65-6561-7787 | [info@ap.indsci.com](mailto: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](mailto:info@eu.indsci.com)