

Specifications Sheet

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, 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_4 % Vol)	CO	IR CH_4	ULP IR HC
LEL (Methane)	CO High	IR CO_2	H_2
LEL (Pentane)	CO/H_2 Low	IR CO_2 /CH_4	HCN
O_2	CO/H_2S	IR CO_2 /LEL	NH_3
H_2S	SO_2	IR HC	PH_3
Cl_2	NO_2	ULP IR CH_4	PID

SPECIFICATIONS*

WARRANTY
PID sensor warranted for one year. All other sensors, batteries and pump 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)
(25 hours typical @ 20 °C) with LEL
(120 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 (without Pump)
(14 hours typical @ 20 °C) with LEL

Rechargeable Cellular Lithium-ion battery (without Pump)
(14 hours typical @ 20 °C) with LEL

Learn More about the Ventis Pro5:
www.indsci.com/ventispro

INDUSTRIAL SCIENTIFIC

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_2, CO, CO High, CO/H_2 low, H_2, H_2S, HCN, NH_3, NO_2, PH_3, SO_2, Cl_2 – Electrochemical
CO_2, CH_4, CO_2/LEL, CO_2/CH_4, HC – Infrared, PID, ULP IR CH_4, ULP IR HC

MEASURING RANGES
CATALYTIC BEAD

Combustible Gases:	0-100% LEL in 1% increments
Methane (CH_4):	0-5% of vol in 0.01% increments

ELECTROCHEMICAL

Ammonia (NH_3):	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_2 low):	0-1,000 ppm in 1 ppm increments
Carbon Monoxide/Hydrogen Sulfide:	CO: 0-1,500 ppm in 1 ppm increments H_2S: 0-500 ppm in 0.1 ppm increments
Chlorine (Cl_2):	0-50 ppm in 0.1 ppm increments
Hydrogen (H_2):	0-2,000 ppm in 1 ppm increments
Hydrogen Sulfide (H_2S):	0-500 ppm in 0.1 ppm increments
Hydrogen Cyanide (HCN):	0-30 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO_2):	0-150 ppm in 0.1 ppm increments
Oxygen (O_2) (Standard/Long-Life):	0-30% of vol in 0.1% increments
Phosphine (PH_3):	0-10 ppm in 0.01 ppm increments
Sulfur Dioxide (SO_2):	0-150 ppm in 0.1 ppm increments

INFRARED

Carbon Dioxide (CO_2):	0-5% vol in 0.01% increments
Methane (CH_4):	0-5% vol in 0.01% increments 5-100% vol in 0.1% increments
Carbon Dioxide/Combustible CO_2:	0-5% vol in 0.01% increments LEL:0-100% LEL in 1% increments
Carbon Dioxide/Methane:	CO_2: 0-5% vol in 0.01% increments CH_4:0-5% vol in 0.01% increments CH_4:5-100% vol in 0.1% increments
Hydrocarbons:	0-100% LEL in 1% increments
Hydrocarbon (HC ULP):	0-100% LEL in 1% increments
Methane (CH_4 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 db ia I Mb/Ex db 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 db ia IIC, Gb, T4, IR sensor
China CPC:	CPA 2017-C103
China Ex:	Ex ia IIC T4 Ga, -40 °C ≤ Ta ≤ 50 °C; Ex db 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 db ia IIC, T4 | CSA C22.2 NO. 60079-29-1 applies only to -20 °C to +50 °C (-4 °F to +122 °F) | 70046111
IECEx:	Cl I, Zone 0, Ex ia IIC, Ga, T4; Cl I, Zone 1, Ex db ia IIC, Gb, T4, IR sensor
INMETRO:	Ex ia IIC T4 Ga, -40 °C ≤ Ta ≤ 50 °C Ex db 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
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 II C, T4, IR sensor

See 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, Roders, Telus)
	EMEA: LTE CAT M1 (Tele2)
	UAE: LTE CAT M1 (Etisalat)
	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

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