VENTIS® PRO SERIES

Stop carrying multiple instruments to meet your gas detection needs. The Ventis® Pro Series with LENS™ Wireless has you covered whether you need unique four-gas or expanded five-gas sensor options—all in the most configurable multi-gas monitors on the market.
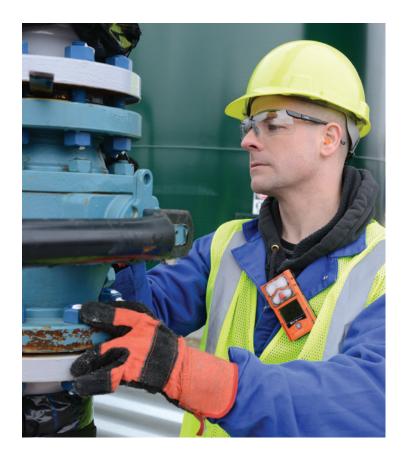
What Gases Will You Need to Monitor?

DETECTION CAPABILITIES	VENTIS® MX4	VENTIS® PRO4	VENTIS® PRO5
Simultaneous Gases	Four	Four	Five
LEL/CH$_4$	✔	✔	✔
CO	✔	✔	✔
H$_2$S	✔	✔	✔
SO$_2$	✔	✔	✔
NO$_2$	✔	✔	✔
CO/H$_2$ Low	✔	✔	✔
O$_2$ (Standard)	✔	✔	✔
O$_2$ (Long-Life)		✔	✔
CO$_2$		✔	✔
HCN		✔	✔
PH$_3$			✔
NH$_3$			✔
CO/H$_2$S			✔
CH$_4$ IR			✔
CO$_2$/LEL IR			✔
CO$_2$/CH$_4$ IR			✔

*See specifications chart for full warranty details.

- Flexible sensor configurations detect up to five gases
- See gas readings and alarms from connected peers using LENS Wireless
- With integral pump for confined spaces or without integral pump for personal protection
- Custom start-up messages, alarm action messages, and acknowledgeable gas alerts
- Man-down alarm and dedicated panic button
- User and site tracking with iAssign® Technology
- Rugged IP68 dust and water rating and Guaranteed for Life™ warranty*
- Compatible with most Ventis® MX4 accessories
- Dock overdue and maintenance reminders

INDUSTRIAL SCIENTIFIC

How Will You Maintain Your Ventis Pro4?

SELECT A MONITOR	MONITOR PART #	DOCKING STATION	CALIBRATION GAS 116L	DEMAND FLOW REGULATOR
Ventis Pro4 – LEL (Pentane), CO, H_2S, O_2, Slim Extended Li-ion, Desktop Charger, Safety Orange	VP4-K12Y4101ywz	18109327-131	18109157	18105841
Ventis Pro4 with Pump – LEL (Pentane), CO, H_2S, O_2, Extended Li-ion, Desktop Charger, Black	VP4-K12Y2110ywz	18109327-131	18109157	18105841
Ventis Pro4 – LEL (Pentane), SO_2, H_2S, O_2, Slim Extended Li-ion, Desktop Charger, Safety Orange	VP4-K52Y4101ywz	18109327-131	18109234	18105841
Ventis Pro4 – LEL (Pentane), CO, NO_2, O_2, Slim Extended Li-ion, Desktop Charger, Safety Orange	VP4-K14Y4101ywz	18109327-131	18109236	18105841
Ventis Pro4 – LEL (Pentane), CO, HCN, O_2, Slim Extended Li-ion, Desktop Charger, Safety Orange	VP4-K1BY4101ywz	18109327-131	18109157 18109085	18105841 x2
Ventis Pro4 with Pump – LEL (Pentane), CO, HCN, O_2, Extended Li-ion, Desktop Charger, Safety Orange	VP4-K1BY2111ywz	18109327-131	18109157 18109085	18105841 x2

y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx, 3 = MSHA, 9 = INMETRO | w = Wireless: 0 = Non-wireless, 1 = Wireless
z = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = IT, 6 = DU, 7 = PT, A = PL

How Will You Maintain Your Ventis Pro5?

SELECT A MONITOR	MONITOR PART #	DOCKING STATION	CALIBRATION GAS 116L	DEMAND FLOW REGULATOR
Ventis Pro5 with Pump – LEL (Pentane), CO/H_2S, SO_2, O_2, Extended Li-ion, Desktop Charger, Safety Orange	VP5-KJ5Y2111ywz	18109327-131	18109234	18105841
Ventis Pro5 – LEL (Pentane), CO/H_2S, NO_2, O_2, Slim Extended Li-ion, Desktop Charger, Safety Orange	VP5-KJ4Y4101ywz	18109327-131	18109157 18109084	18105841 x2
Ventis Pro5 with Pump – LEL (Pentane), CO/H_2S, NH_3, O_2, Extended Li-ion, Desktop Charger, Black	VP5-KJ6Y2110ywz	18109327-131	18109157 18109081	18105841 x2
Ventis Pro5 with Pump – CO_2/LEL IR, CO, H_2S, O_2, Extended Li-ion, Desktop Charger, Black	VP5-U12Y2110ywz	18109327-131	18109188 18102913 and 18101584 both – (103L)	18105841 x3

y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx, 3 = MSHA, 9 = INMETRO | w = Wireless: 0 = Non-wireless, 1 = Wireless
z = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = IT, 6 = DU, 7 = PT, A = PL

Charts show most common configurations. To build your custom order, visit our online instrument builder or contact your local distributor.

INDUSTRIAL SCIENTIFIC

Build and Price Your Ventis Pro Online With the Instrument Builder
www.indsci.com/VentisProBuilder

Will You Use the Ventis Pro to Monitor Confined Spaces?

CONFINED SPACE KITS WITH INTEGRAL PUMP

PART NO.	DESCRIPTION
V4K-K12Y211xywz	Ventis Pro4 Confined Space Kit – LEL (Pent), CO, H_2S, O_2
V4K-KG2Y211xywz	Ventis Pro4 Confined Space Kit – LEL (Pent), CO/H_2 low, H_2S, O_2
V4K-K10Y211xywz	Ventis Pro4 Confined Space Kit – LEL (Pent), CO, O_2
V4K-K00Y211xywz	Ventis Pro4 Confined Space Kit – LEL (Pent), O_2
V4K-K02Y211xywz	Ventis Pro4 Confined Space Kit – LEL (Pent), H_2S, O_2
V4K-K1BY211xywz	Ventis Pro4 Confined Space Kit – LEL (Pent), CO, HCN, O_2
V5K-KJ5Y211xywz	Ventis Pro5 Confined Space Kit – LEL (Pent), CO/H_2S, SO_2, O_2
V5K-KJ4Y211xywz	Ventis Pro5 Confined Space Kit – LEL (Pent), CO/H_2S, NO_2, O_2
V5K-KJ6Y211xywz	Ventis Pro5 Confined Space Kit – LEL (Pent), CO/H_2S, NH_3, O_2

Ventis Pro Series Confined Space Kits Include:
Ventis Pro Series instrument with integral pump, desktop charger, reference guide, calibration tubing with T-fitting, dust filter/water stop, sample tubing, calibration gas (appropriate mix) with manual regulator, and rugged hard plastic case.

x = Instrument Color: 0 = Black, 1 = Safety Orange
y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx, 3 = MSHA, 9 = INMETRO
w = Wireless: 0 = Non-wireless, 1 = Wireless
z = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = IT, 6 = DU, 7 = PT, A = PL

LENS™ WIRELESS

How Can Wireless Improve Worker Safety?

LENS™ Wireless is the first gas detection solution that allows personal monitors and area monitors to share gas readings and alarms with one another. Now when a gas hazard, man-down, or panic situation causes an instrument to alarm, all peers in the connected group will instantly be notified of the hazard and the person in danger. When seconds matter, you can rely on help from workers nearby, rather than a control room or call center hundreds of miles away.

- Share gas readings and alarms between Ventis Pro Series personal monitors and Radius® BZ1 Area Monitors
- Enjoy out-of-the-box operation with no site surveys, IT setup, licenses, or additional infrastructure needed
- Identify peer alarm types in real time, enabling a faster, more appropriate response
- View gas readings from other peers in your group on any monitor without needing a central controller to relay the information
- Receive readings from up to 1.5 km (~1 mi) away with wireless hopping between instruments

For a list of all accessories, visit: www.indsci.com/ventispro

SPECIFICATIONS*

WARRANTY
Guaranteed for Life™. Warranted for as long as the instrument is supported by Industrial Scientific Corporation (excludes sensors, batteries, and filters). O_2, LEL, CO, and H_2S sensors warranted for three years. All other sensors warranted for two years. Pumps and batteries are warranted for two years.

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

WEIGHT
200 g (7.05 oz) typical without Pump
390 g (13.76 oz) typical with Pump

POWER SOURCE/RUN TIME
Rechargeable Slim Extended Lithium-ion battery
(18 hours typical @ 20 ºC) without Pump

Rechargeable Lithium-ion battery with LEL
(12 hours typical @ 20 ºC) without Pump

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

Rechargeable Lithium-ion battery with IR
(36 hours typical @ 20 ºC) without Pump

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

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

DISPLAY/READOUT
Backlit liquid crystal display (LCD)

KEYPAD
Two buttons for operation. Dedicated panic button.

INGRESS PROTECTION
IP68 (submersion at 1.5 meters for 1 hour)

TEMPERATURE RANGE
-40 °C to 50 °C (-40 °F to 122 °F) **

HUMIDITY RANGE
15% to 95% non-condensing (continuous)

EVENT LOGGING
60 alarm events

DATA LOG
At least 3 months at 10-second intervals

SENSORS
Combustible Gases/Methane – Catalytic Bead
O_2, CO, CO/H_2 low, H_2S, HCN, NH_3, NO_2, PH_3, SO_2 – Electrochemical
CO_2, CH_4, CO_2/LEL, CO_2/CH_4 – Infrared

WIRELESS
Optional LENS™ Wireless, proprietary 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†

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 (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
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

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
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
PA-DEP:	BFE46-12 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 II C, T4, IR sensor

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

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

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

* 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.