



The Accenture Life Safety Solution (ALSS) is a wireless, real-time solution which continuously monitors a worker's exposure to gas and their location while in a plant environment using the Ventis LS multi-gas detector. Exclusive to the ALSS, the Ventis LS:

- Detects one to four gases including H<sub>2</sub>S, O<sub>2</sub>, LEL, CO, SO<sub>2</sub> and NO<sub>2</sub>
- Transmits gas level and alarm information over a WiFi network
- Sends an alert to a central console if the worker activates the instrument's panic button or lack of motion is detected
- Enables a worker's location to be pinpointed in real time at a central console
- Operates on iNet – Industrial Scientific's unique Gas Detection as a Service solution

## ACCESSORIES

PART NO.	DESCRIPTION
18109031-0BC	DS2 Docking Station™ for Ventis LS B = Quantity of iGas® Reader: 0 = None 1 = 1 iGas® Reader 2 = 2 iGas® Readers 3 = 3 iGas® Readers C = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ
17153430	Calibration Cup
18108191	Single-Unit Charger
18108651	Single-Unit Automotive Charger, 12VDC, with Plug
18108652	Single-Unit Truck-Mount Charger, 12VDC, with Plug
18108653	Single-Unit Truck-Mount Charger, 12VDC, Hard Wired
18108650-A	6-Unit Charger – A = Power Cord: 0 = US, 1 = UK, 2 = EU, 3 = AUS, 4 = ITA, 5 = DEN, 6 = SWZ

PART NO.	DESCRIPTION
18108950	External Battery Charge Adaptor
18109144	Ventis LS Hand Pump (manual bulb)
17134461	Replacement Sensor, Oxygen (O <sub>2</sub> )
17134479	Replacement Sensor, Hydrogen Sulfide (H <sub>2</sub> S)
17134487	Replacement Sensor, Carbon Monoxide (CO)
17134495	Replacement Sensor, Combustible Gas (LEL/CH <sub>4</sub> )
17134503	Replacement Sensor, Nitrogen Dioxide (NO <sub>2</sub> )
17143595	Replacement Sensor, Sulfur Dioxide (SO <sub>2</sub> )
VLSB-101	Replacement Standard Li-ion Battery, Black, UL/CSA/ATEX/IECEX
VLSB-201	Replacement Li-ion Extended Range Battery, Black, UL/CSA/ATEX/IECEX

**Case Material:**

Polycarbonate with Protective Rubber Overmold

**Dimensions:**

133mm x 73mm x 56mm (5.24" x 2.87" x 2.2")

**Weight:**

256 g (9 oz) - Ventis LS, Lithium-ion Battery Version (typical)  
 304 g (10.7 oz) - Ventis LS Extended Lithium-ion Battery Version (typical)

**Operating Temperature Range:**

-20°C- 50°C (-4°F-122°F) typical

**Operating Humidity Range:**

15%-95% Non-condensing (continuous) typical

**Display/Readout:**

Backlit Liquid Crystal Display (LCD)

**Power Source/Run Time:**

Rechargeable Lithium-ion Battery Pack  
 (12 hours typical @ 20°C) - Ventis LS  
 Rechargeable Extended-Range Lithium-ion Battery Pack  
 (20 hours typical @ 20°C) - Ventis LS

**Sensors:**

Combustible gases/methane - Catalytic Diffusion  
 O<sub>2</sub>, CO, H<sub>2</sub>S, NO<sub>2</sub>, SO<sub>2</sub> - Electrochemical

**Panic and Man Down Alarm:**

Panic alarm - triggered by user surpressing red panic button  
 Man down alarm - triggered by lack of motion at user - defined interval.  
 Local alarm with ultra-bright LEDs, loud audible alarm (95dB at 30 cm) and vibrating alarm  
 Remote alarm via WiFi to central console

**Wireless**

Remote gas readings

**Location**

Accuracy within 20 feet

**Measuring Ranges:**

Combustible Gases: 0-100% LEL in 1% increments  
 Methane (CH<sub>4</sub>): 0-5% of vol. in 0.01% increments  
 Oxygen (O<sub>2</sub>): 0-30% of vol. in 0.1% increments  
 Carbon Monoxide (CO): 0-1,000 ppm in 1 ppm increments  
 Hydrogen Sulfide (H<sub>2</sub>S): 0-500 ppm in 0.1 ppm increments  
 Nitrogen Dioxide (NO<sub>2</sub>): 0-150 ppm in 0.1 ppm increments  
 Sulfur Dioxide (SO<sub>2</sub>): 0-150 ppm in 0.1 ppm increments

**Certifications:**

**UL**

Class I, Division 1, Groups A B C D, T4  
 Class II, Groups F G (Carbonaceous & Grain Dust)  
 Class I, Zone 1, AEx ia d IIC

IP66  
 IP67

**ATEX**

Ex d ia I Mb / Ex d ia IIC T4 Gb;  
 Equipment Group and Category I M2 and II 2G

IP66  
 IP67

**IECEX**

Ex d ia IIC T4 Gb  
 IP66  
 IP67

**CSA**

Class I, Division 1, Groups A B C D, T4, Exia  
 C22.2 No. 152  
 Ex d ia IIC T4



**AMERICAS**

Phone: +1-412-788-4353  
 1-800-DETECTS (338-3287) North America  
 Fax: +1-412-788-8353  
 info@indsci.com

**ASIA PACIFIC**

Phone: +65-6561-7377  
 Fax: +65-6561-7787  
 info@ap.indsci.com

**EUROPE**

Phone: +33-1-57-32-92-61  
 00-800-WORKSAFE (9675-7233) Europe  
 Fax: +33-1-57-32-92-67  
 customersupport@eu.indsci.com