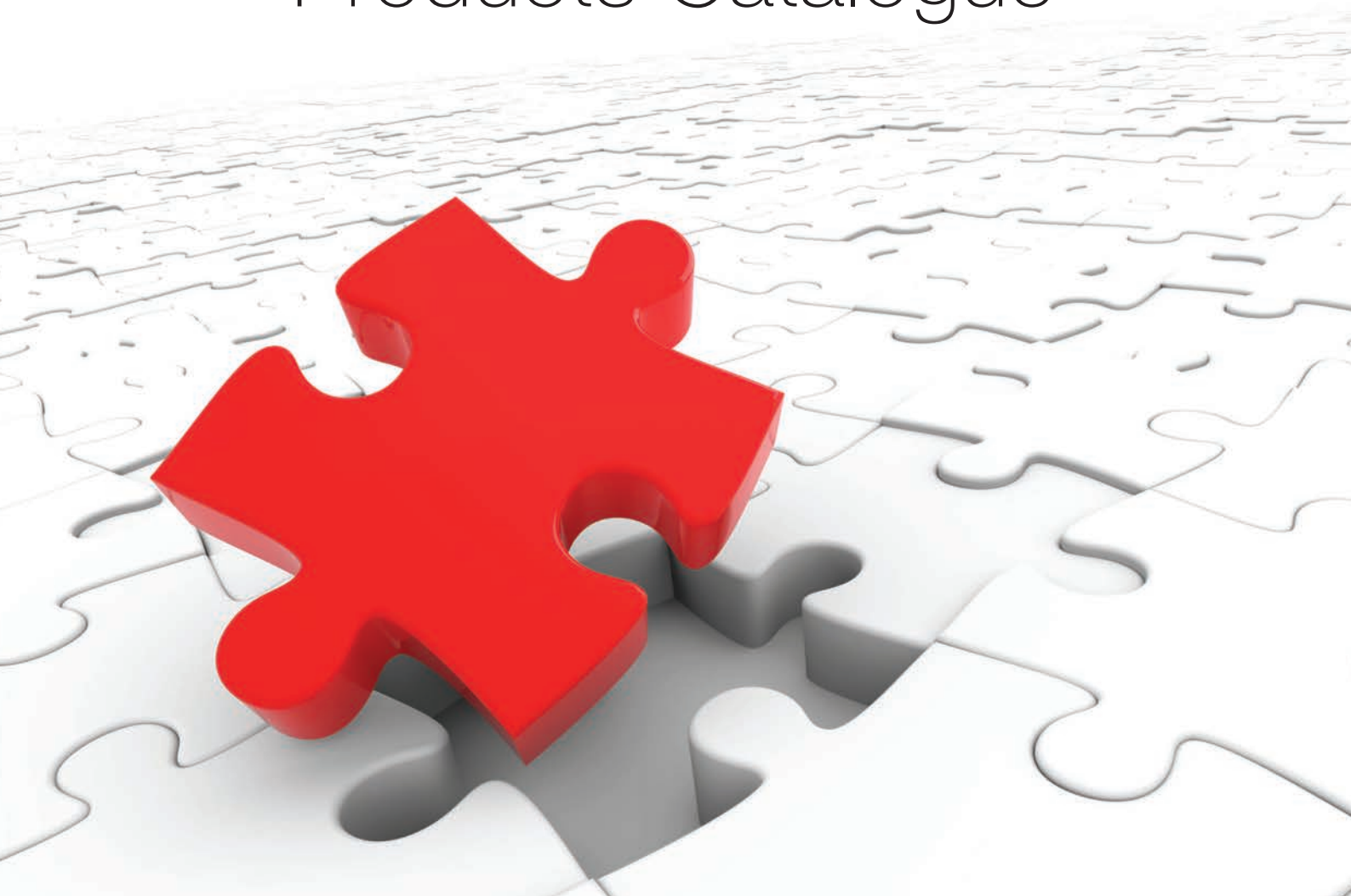




xtralis®
The sooner you know®

Safety Solutions Products Catalogue



www.xtralis.com

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About Xtralis

Xtralis is the leading global provider of powerful solutions for the early and reliable detection and remote visual verification of fire, gas and security threats. Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised. We protect high-value and irreplaceable assets belonging to the world's top governments and businesses.

Xtralis has been a pioneer in life safety and security for more than 30 years. We are the world's largest manufacturer of very early warning aspirating smoke detection (ASD) systems, including VESDA, the world's No. 1 ASD brand, and developed the industry's first video motion detection technologies. With more than 230 patents (granted or pending) and numerous firsts and innovations in our technology portfolio, Xtralis leads the market in very early warning fire detection (VEWFD) and integrated security solutions, including perimeter, intrusion detection, multi-site and enterprise security and traffic detection.

Xtralis manufactures our life safety and security solutions using targeted Six Sigma techniques and design reliability analysis, and they have been certified by more than 35 regulatory agencies worldwide. Because of our expertise in fire science and security, we work closely with these organizations to continually enhance or develop new international standards.

Xtralis solutions protect:

- 90% of multi-national fire and security OEMs distribute Xtralis solutions
- 80% of semiconductor manufacturing facilities are protected by Xtralis
- 80% of the global top 10 telecom providers prevent downtime with Xtralis
- Over 70% of the top 30 data centers & 50% of data centers globally
- 60% of new airport construction uses Xtralis
- Approximately 50% of new metro & subway construction
- More than 50,000 Xtralis traffic detectors reduce vehicle congestion and accidents

The award-winning Xtralis portfolio includes:

- VESDA-E VEWFD Aspirating Smoke Detection (ASD)
- VESDA Aspirating Smoke Detection (ASD)
- Industrial VESDA VLI ASD for Industrial Applications
- VESDA ECO Gas Detection and Environmental Monitoring
- ICAM Flexible Aspirating Smoke Detection
- OSID Open-area Smoke Detection
- ADPRO Perimeter & Intrusion Detection Solutions
- HeiTel Remote Monitoring & CMS Solutions
- ASIM Intelligent Traffic Detectors

Learn more: www.xtralis.com

ABOUT XTRALIS

Safety Products

Xtralis is the inventor and pioneer of VESDA aspirating smoke detection (ASD) technology and remains the world's No. 1 supplier of ASD systems. Top governments and businesses around the globe rely on Xtralis for technically superior life safety solutions to protect people, critical infrastructure and high-value or irreplaceable assets.

VESDA-E: The Next Generation of Aspirating Smoke Detection

VESDA-E is the next generation of aspirating smoke detection (ASD) from Xtralis. VESDA-E offers ultra-sensitive ASD; 15 times better than current VESDA models with double the longevity, improved dust rejection, and 8% less power consumption per unit area. VESDA-E brings precision addressability to ASD with flexible tubing up to 120 holes per system. Other advanced features, including StaX expansion modules, add capabilities like gas detection and analytics software for enhanced detection and monitoring; connectivity from WiFi to Ethernet and smart devices, and remote field programmability. VESDA-E is the most advanced, reliable, and flexible ASD system ever.

Very Early Warning Smoke Detection

Xtralis provides highly reliable smoke detection at the earliest presence of fire while discriminating against false alarms. Conventional fire detection does not offer adequate protection because toxic smoke can begin to spread, and fire damage can occur before a warning is issued. In contrast, Xtralis' VESDA and ICAM aspirating smoke detection (ASD) systems continuously sample the air for the smallest traces of smoke to provide valuable time to understand a threat and stage an intelligent response. Our powerful life safety solutions provide reliable smoke detection in zero-tolerance environments, adhering to the highest safety standards and mitigating risks to facilities, assets and personnel.

Gas Detection and Environmental Monitoring

Xtralis offers more than just fire detection solutions. Our VESDA and ICAM ASD systems can be extended to include gas detection and environmental monitoring.

VESDA ECO and ICAM ECO can be used to detect smoke as well as hazardous/combustible gases that pose unseen threats. These solutions provide cost-effective, 24/7 active air sampling for the early detection of gas leaks even in the toughest of environments.

Open-area Smoke Detection

Fire detection for buildings with open spaces presents unique challenges, and very early warning may not always be the priority. When only standard sensitivity detection is required, Open-area Smoke Imaging Detection (OSID) by Xtralis offers the most reliable and cost-effective smoke detection solution for open spaces. It delivers superior performance to overcome all of the shortcomings inherent to other detection systems currently used in these applications such as beam, heat and flame detectors.

SAFETY PRODUCTS

Choose the Right Product for your Segment and Application

Segment	Coverage	2000m ²						1500m ²	800m ²			500m ²	250m ²	100m ²	2000m ²	
	Detection	UVEW	AEW	VEW		AVEW	IVEW	AVEW	VEW	EX	Marine	VEW		VEW	Beam	PIAB
	Product	VEU	VEA	VEP	VLP	VLS	VLI	VFT-15	VLC			VLF		VLQ	OSID	IAS
Segment	IT and Communications															
	Clean Room															
	Highrise and Residential															
	Manufacturing															
	Airport															
	Railway															
	Logistics / Warehouse															
	Logistics / Cold Storage															
	Correctional Facilities															
	Cultural and Heritage															
	Power															
	Retail and Commercial															
	Oil and Gas															
	Sporting Venues															
	Education															
	Waste Recycling															
	Mining															
	Marine															
Application	Void Protection															
	Return Air															
	Cabinet Protection															
	Duct Detection															
	Tunnel (cable or other)															
	Lift Shaft															
	Small Computer Room															
	Open Area Protection															
	Harsh Environment															
	Control Room															
	Switch Room															
	Restricted Access Room															
	In-Rack															
	Conveyor															
	Special Hazard (Ex)															
	Car Parks (underground)															

VEW	Very Early Warning Smoke Detection
UVEW	Ultra Very Early Warning Smoke Detection
AVEW	Addressable Very Early Warning Smoke Detection
IVEW	Industrial Very Early Warning Smoke Detection

AEW	Addressable Early Warning Smoke Detection
EX	Zone 2, Class 1 Div2
PIAB	Point-In-A-Box

VESDA Models Comparison Chart

Features	VESDA-E				VESDA						VESDA Industrial Products	
	VEU	VEP	VEA	VLQ	VLP	VLS	VLC (VN)	VLC (RO)	VLF 250/500	VFT-15	VLI	VLC-EX
Hazardous Area Approval (FM Class 1, Div 2, Groups A, B, C, D)	Pending	Pending	N/A	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes
Min Fire 1 Threshold	0.001%obs/m (0.0003%obs/ft)	0.01%obs/m (0.003%obs/ft)	1.63%obs/m (0.5%obs/ft)	0.15%obs/m (0.046%obs/ft)	0.015%obs/m (0.0046%obs/ft)				0.025%obs/m (0.008%obs/ft)	0.01%obs/m (0.003%obs/ft)	0.15%/m (0.046%/ft)	0.015%obs/m (0.0046%obs/ft)
Detection Range	0.001 - 20.0%obs/m (0.0003 - 6.25%obs/ft)	0.005 - 20%obs/m (0.0015 - 6.25%obs/ft)	0.020 - 16%obs/m (0.0062 - 5%obs/ft)	0.005 - 3.0%obs/m (0.0015 - 0.937%obs/ft)	0.005 - 20%obs/m (0.0015 - 6.25%obs/ft)				0.025 - 20%obs/m (0.0078 - 6.25%obs/ft)	0.001 - 20%obs/m (0.0003 - 6.25%obs/ft)	0.005 - 20.0%obs/m (0.0015 - 6.25%obs/ft)	0.005 - 20%obs/m (0.0015 - 6.25%obs/ft)
No. of Pipe Inlets	4	4	40 expandable to 120 tubes	2	4		1		1	15	4	1
Two Stage Filtration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Patented Intelligent Filter Secondary Foam Filter Sub-Sampling Probe	Yes
Area Coverage	6,500m ² (69,960sq ft) *	2,000m ² (21,520sq ft)	2,000m ² (21,520sq ft) 40-120 sample holes	100m ² (1,080sq ft)	2,000m ² (21,520sq ft)	2,000m ² (21,520sq ft) across 4 sectors	800m ² (8,610sq ft)		250/500m ² (2,690/5,380sq ft)	1,500m ² (16,150sq ft) across 15 sectors	2,000m ² (21,520sq ft)	800m ² (8,610sq ft)
Pipe Length (Linear)	400m (1,312ft)	280m (919ft)	40 x 100m (130 x 328ft)	12m (39ft)	200m (656ft)	200m (656ft)	80m (262ft)		25/50m (82/164ft)	15 x 50m (45 x 164ft)	360m (1,181ft)	80m (262ft)
Pipe Length (Branched)	800m (2,625ft)	560m (1,837ft)	N/A	18m (59ft)	400m (1,312ft)	400m (1,312ft)	100m (328ft)		30/60m (98/197ft)	N/A	445m (1,460ft)	100m (328ft)
Multiple Pipe Addressability	No	No	Up to 120	No	No	Up to 4	No	No	No	Up to 15	No	No
Total Number of Alarm Thresholds	4 (Day/Night)			2	4 (Day/Night)	16 (Day/Night)	3	3	4 (Day/Night)	60 (Day/Night)	4 (Day/Night)	3
Relay Outputs	7	7	7 (Expandable to 127)	3	7	7 or 12	3	3	3 (Expandable to 6)	5 (Expandable to 21)	5	3
On-board Memory (Max. Events)	20,000	20,000	20,000	Up to 1,000	18,000	18,000	12,000	12,000	18,000	Up to 20,000	18,000	12,000
IP Rating	IP40	IP40	IP40	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP66	IP54
AutoLearn™ (Smoke/Flow)	AutoLearn Smoke™ AutoLearn Flow™		No	Yes (Smoke)	Yes (Smoke)	Yes (Smoke)	Yes (Smoke)	Yes (Smoke)	AutoLearn Smoke™ AutoLearn Flow™	No	AutoLearn, Smoke™, AutoLearn, Flow™	Yes (Smoke)
EN54-20 Max. no of Holes (Class A / B / C)	80 / 80 / 100	40 / 80 / 100	40-120 (B & C)	4 / 4 / 4	30 / 60 / 100	40 / 40 / 60	30 / 36 / 40	30 / 36 / 40	VLF 250 12 / 12 / 12 VLF 500 30 / 30 / 30	15 / 15 / 15	24 / 28 / 60	30 / 36 / 40
Bar Graph / Indicator LED	LEDs or 3.5" Colour Touch Screen			Local (5 on-board LEDs) 2x7-segment LED display	Local or Remote (20 segment bargraph display)	Local or Remote (20 segment bargraph display)	Local (5 on-board LEDs). Remote (20 segment bargraph display)	Local (5 on-board LEDs)	Local (7 on-board LEDs) 10 Segment Circular Display) Remote display when fitted with VESDAnet card	Yes	Local (5 on-board LEDs) Remote display for VLI-885	As per VLC (VN) & VLC (RO)
Programming Tools - On-board Programming module - Handheld Programmer - PC Software (VSC, VSM)	Programmed via USB/ Ethernet/ WiFi connection to PC using VSC/VSM4			Onboard DIP switches Xtralis QSC	Yes	Yes	Yes	Programmed via RS232 direct connection to PC using VSC	Programmed via RS232 direct connection to PC using VSC or Programmer when VN card is fitted	On-board programmer and PC Software (VSC/VSM4)	BACnet over Ethernet Local USB configuration port Connection to PC using VSC/VSM4 Programmer for VLI-885	As per VLC (VN) & VLC (RO)
StaX Expandability	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
Analytics	Yes	Yes	No	No	No	No	No	No	No	No	No	No
VESDAnet™												
Max. No. of devices/detectors per loop	200/100	200/100	200/100	N/A	200/100	200/100	200/100	N/A	200/100 (with VN Card)	N/A	200/100 (VLI-885)	200/100 (VN version)
Max. Distance between Devices	1,300m (4,265ft)	1,300m (4,265ft)	1,300m (4,265ft)	N/A	1,300m (4,265ft)	1,300m (4,265ft)	1,300m (4,265ft)	N/A	1,300m (4,265ft) (with VN Card)	N/A	1,300m (4,265ft) (VLI-885)	1,300m (4,265ft) (VN version)
Computer-based Management via VSM	Yes	Yes	Yes	N/A	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes (VN version)
Remote Relay Modules - 7 relay version - 12 relay version	VRT-500 N/A	VRT-500 N/A	VRT-500 N/A	N/A	VRT-500 N/A	VRT-E00 VRT-900	VRT-500 N/A	N/A	VRT-500 N/A	N/A	VRT-500 N/A	VRT-500 (VN version)
Compatible Remote Bargraph Displays - Display, 7 relays - Display, 12 relays - Display, no relays	VRT-200 N/A VRT-600	VRT-200 N/A VRT-600	VRT-200 N/A VRT-600	N/A	VRT-200 N/A VRT-600	VRT-400 VRT-800 VRT-700	VRT-J00 N/A VRT-K00	N/A	VRT-V00 N/A VRT-W00 (with VN Card)	N/A	VRT-Q00 N/A VRT-T00 (VLI-885)	As per VLC (VN) & VLC (RO)

* System design and regulatory requirements may restrict the monitoring area to a lesser amount.

VESDA-E The Next Generation of VESDA Aspirating Smoke Detectors



Innovative Capabilities

VESDA-E is the next-generation of VESDA, featuring multiple innovative capabilities that dramatically improve the VESDA experience: VESDA Smoke+, offers increased sensitivity – up to 15 times greater than VESDA VLP, improved dust rejection, double the longevity while maintaining sensitivity over its lifetime, up to 8% less power consumption per unit area.

- **VESDA Flex**, future proof expandability and programming for maximum flexibility using, StaX Hardware expansion modules that easily bolt onto the VESDA-E detector to add additional capabilities, and Xtralis Software Analytics applications (Xapps) that can be purchased, downloaded, configured & managed remotely over the internet.
- **VESDA Analytics**, allows for additional unique capabilities that enable the system to provide targeted detection and response, Analytics currently available includes DieselTrace™, WireTrace™ and DustTrace™.
- **VESDA Verify**, provides situational awareness to improve response time, efficiency and effectiveness by providing up to 120 pinpoint addressability.
- **VESDA Connect**, allows for flexible networking and programming options that reduce maintenance and monitoring costs through extensive connectivity options and remote diagnostics tools including Ethernet, Wi-Fi, USB, VESDAnet and Relays.
- **VESDA TCO**, reduces the Total Cost of Ownership (TCO) through Capex value, Opex savings, Plug'n'Play installation, design-less pipe networks, vast monitoring options and backwards compatibility. With VESDA-E you can reduce TCO by up to 15%.

How VESDA-E Works

Air is continually drawn from the protected area through the air sampling pipe network and into the detector by a high efficiency aspirator. The air sampling pipe network can contain up to four pipes. The air from each sampling pipe passes through an airflow sensor and then a sample of the air is drawn into the smoke detection chamber via the sampling module, after first passing through the filter. An additional filter provides clean air to protect the optical surfaces inside the detection chamber from contamination.

The Flair™ detection chamber uses the equivalent of 330,000 sensors and sophisticated algorithms for smoke detection and particle classification. If the detected smoke is higher than the set alarm thresholds it is reported as an Alert, Action, Fire1 or Fire2 alarm condition. Air is exhausted from the detector and may be vented back into the protected zone. Alarms can be signaled via Relays and VESDAnet. Ethernet and WiFi can be used for configuration and secondary monitoring, and a USB interface is provided for initial setup. A series of LEDs display Alarm, Trouble, Disable and detector power on status. A button allows the user to Reset or Disable the detector. In addition, an optional 3.5" LCD display shows the detector status, including smoke level and a smoke level bar graph, alarm thresholds, trouble status, % airflow level, normalization status and filter life used.



Applications

- Accommodation (Apartments, Hotels, Shops and Offices)
- Correctional Facilities
- Clean Rooms
- Cold Storage
- Cultural/Heritage
- Data & Telecom
- Hospitals and Healthcare
- Insurance
- Marine
- Nuclear Facilities
- Oil & Gas
- Portable Switch Rooms
- Power Generation
- Records Storage
- Transportation
- Wind Power Generation
- Warehousing

VESDA-E Products List

VESDA-E VEU



The VEU series of aspirating smoke detectors are the premium detector of the VESDA-E range. An Ultra-wide sensitivity range; 15 times greater than VESDA VLP, and provision for more sampling holes provide an increased coverage in high airflow applications by at least 40%. Considerably longer linear pipe runs and extended branched pipe network configurations cater perfectly to applications with higher ceilings providing an increased coverage by up to 80% whilst allowing convenient detector mounting for ease of service and maintenance. A range of revolutionary new features provide unsurpassed detection performance, flexibility, field programmability, connectivity and reduced total cost of ownership.

Ordering Codes	Description
VEU-A00	VESDA-E VEU with LED's
VEU-A10	VESDA-E VEU with 3.5" Display
Approvals: UL, ULC, VdS, CE, ActivFire, FM, EN 54-20, ISO 7240-20 (Class C (100 holes), Class B (80 holes), Class A (80 holes))	
Dimensions: 350 x 225 x 135 mm (13.8 x 8.9 x 5.3 in)	
Weight: <ul style="list-style-type: none"> • VEU-A00 - 4.800 kg (10 lbs 9 oz) • VEU-A10 - 4.835 kg (10 lbs 10 oz) 	
Area Coverage: 6,500 m ² (69,960 ft ²)	

VESDA-E VEP



The VESDA-E VEP series of smoke detectors bring the latest and most advanced detection technology to provide very early warning and the best nuisance alarm rejection to a wide range of applications. Built on the Flair detection technology and years of application experience, VEP detectors deliver absolute calibration for lifetime performance and a range of revolutionary new features that deliver user value.

Ordering Codes	Description
VEP-A00-P	VESDA-E VEP with LEDs, 4 pipe
VEP-A10-P	VESDA-E VEP with 3.5" Display, 4 pipe
Approvals: UL, ULC, FM, ActivFire, CE, VdS, CPR, EN 54-20, ISO 7240-20	
Dimensions: 350 x 225 x 135 mm (13.8 x 8.9 x 5.3 in)	
Weight: VEP-A00-P: 4.0 kg (8.8 lb) VEP-A10-P: 4.1 kg (9.1 lb)	
Area Coverage: 2,000 m ² (21,520 ft ²)	

VESDA-E VEA



The VESDA-E VEA series of detectors combine VESDA reliability and early warning smoke detection with pinpoint addressability and a variety of annunciation options that truly surpass traditional spot detectors. VEA uses patented sampling points and multi-channel microbore air-sampling with enhanced or standard alarm sensitivity setting for the sampling points. As a multi-channel addressable system, the VEA detector is able to divide a protected space into sampling locations, enabling the localization of a fire for faster incident response. VEA is suitable for the protection of areas where pinpoint location of fire events is essential, thus providing ideal fire detection solutions for offices, hospitals, schools, prisons, multi-story dwellings, cabinets in data centers and warehouse racks. A wide range of features provide flexibility, enhanced connectivity and reduced total cost of ownership.

Ordering Codes	Description
VEA-040-A00	VESDA-E VEA-40 Detector with LEDs
VEA-040-A10	VESDA-E VEA-40 Detector with 3.5" Display
Approvals: UL, ULC, CSFM	
Dimensions: 352 x 336 x 135.5 mm (13.9 x 13.2 x 5.33 in)	
Weight: 12 kg (26.5 lbs)	
Area Coverage: 2,000 m ² (21,520 ft ²)	

VESDA-E VLQ



A cost-effective Aspirated Smoke Detection (ASD) solution that meets the unique needs of numerous small area applications of up to 100 m² (1,080 sq. ft)

Ordering Codes	Description
VLQ-100	VESDA-E VLQ Aspirated Smoke Detector with relays.
Approvals: UL, ULC, ActivFire, CE, LPCB, VNIPO, VdS, EN 54-20 (Class A, B & C with 4 holes)	
Dimensions: 260 x 228 x 110 mm (10.24 x 8.98 x 4.35in)	
Weight: 1.2 Kg (2.65 lbs)	
Area Coverage: 100 m ² (1,080 ft ²)	

VESDA-E StaX



Future proof expandability for maximum flexibility using StaX Hardware expansion modules that easily bolt onto the VESDA-E detector to add additional capabilities.





Ordering Codes	Description
VEA-020-STX	VESDA-E VEA-20 Expansion StaX
VEA-040-STX	VESDA-E VEA-40 Expansion StaX
VER-A40-40-STX	VESDA-E VEA 40-Relay Local StaX
VPS-VEA-120UL	VESDA-E VEA Power Supply StaX (120UL)
VPS-VEA-220UL	VESDA-E VEA Power Supply StaX (220UL)
VPS-VEA-230EN	VESDA-E VEA Power Supply StaX (EN)
Approvals: Major agency approvals pending.	

VESDA-E Accessories List

VESDA-E VEU/VEP Accessories


Product Name and Image	Ordering Code	Description
	VSP-960	Mounting bracket
	VSP-961	VESDA-E Exhaust Adaptor US
	VSP-962	VESDA-E Filter
	VSP-962-20	VESDA-E Filter - 20 pieces
	VSP-963	VESDA-E Aspirator
	VSP-964	VESDA-E Smoke Detection Chamber
	VSP-965	VESDA-E Sampling Module

VESDA-E VEA Accessories

Product Name and Image	Ordering Code	Description
	VKT-900	VESDA-E VEA Demo Kit
	VSP-970	VESDA-E VEA-20 or VEA-40 Mounting Bracket
	VSP-971	VESDA-E VEA-40 Smoke Sensor Module
	VSP-972	VESDA-E VEA Filter
	VSP-973	VESDA-E VEA Pump
	VSP-974	VESDA-E VEA Rotary Valve

Product Name and Image	Ordering Code	Description
	VSP-975	VESDA-E VEA LED Front Panel
	VSP-976	VESDA-E VEA 3.5" Display Front Panel
	VSP-980	VESDA-E VEA 6mm Standard Sampling Point
	VSP-981	VESDA-E VEA 4mm Standard Sampling Point
	VSP-980-22	VESDA-E VEA 6mm Standard Sampling Point Pack of 22
	VSP-981-22	VESDA-E VEA 4mm Standard Sampling Point Pack of 22
	VSP-990	VESDA-E VEA 6mm Microbore Tube – 1000 ft
	VSP-991	VESDA-E VEA 4mm Microbore Tube – 1000 ft
	VSP-992	VESDA-E VEA 6mm Microbore Tube – 300 m
	VSP-993	VESDA-E VEA 4mm Microbore Tube – 300 m
	VSP-998	VESDA-E VEA 6mm Blanking Plug (50)
	VSP-999	VESDA-E VEA 4 mm Blanking Plug
	VSP-1000	VESDA-E VEA 6mm to 4mm Reducer (10)
	VSP-1001	VESDA-E VEA 6mm to 6mm Straight Union (10)
	VSP-1002	VESDA-E VEA 4mm to 4mm Straight Union (10)
	VSP-1003	VESDA-E VEA 6mm to 6mm Right Angle Joiner (10)
	VSP-1004	VESDA-E VEA 4mm to 4mm Right Angle Joiner (10)

VESDA-E Relay Module

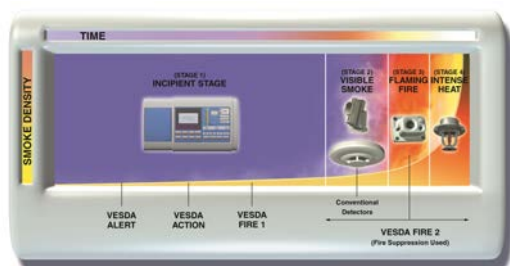
Product Image	Ordering Code	Description
	VRT-X00	VESDA-E Analytics Relay Module

VESDA Aspirating Smoke Detection



The World's No. 1 ASD Brand

VESDA very early warning smoke detection solutions provide the earliest possible warning of an impending fire hazard. VESDA buys time to investigate an alarm and initiate an appropriate response to prevent injury, property damage or business disruption. And because VESDA has the industry's widest sensitivity range and multi-level warnings, even minute levels of smoke can be detected before a fire has time to escalate. As the No. 1 ASD brand specified by fire professionals around the world, VESDA is synonymous with reliable, high performance fire detection.

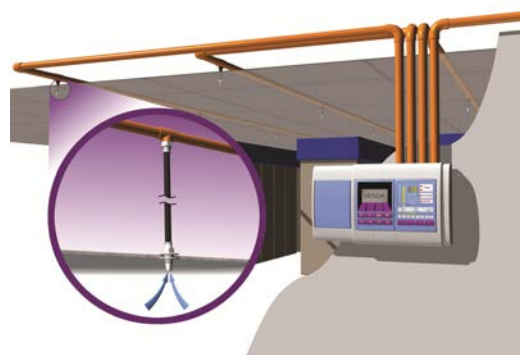


This diagram shows the progression of a fire over time. Note that the incipient stage of a fire provides the widest window of opportunity to detect and control the spread. VESDA detectors can be configured to generate multiple alarms within the incipient stage. They also can be configured to generate an additional alarm (Fire 2) in the advanced stages of a fire. This feature is unique to VESDA and takes advantage of its wide sensitivity range that enables one detector to monitor the entire progression of a fire.

How VESDA Works

VESDA works by continuously drawing air into a distributed pipe network via a high-efficiency aspirator. The air sample then passes through a dual-stage filter. The first stage removes dust and dirt from the air sample before it enters the laser detection chamber. The second, ultra-fine stage provides an additional clean-air supply to keep the detector's optical surfaces free from contamination, ensuring stable calibration and long detector life as well as minimizing nuisance alarms.


From the filter, the air sample goes through the calibrated detection chamber where it is exposed to a laser light source. When smoke is present, light is scattered within the detection chamber and is instantly identified by the highly sensitive receiver system. The signal is then processed and presented via a bar-graph display, alarm threshold indicators and/or graphic display. VESDA detectors are able to communicate this information to a fire alarm control panel, a software management system, or a building management system via relays or a High Level Interface (HLI).



Applications

- Accommodation (Apartments, Hotels, Shops and Offices)
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- Hospitals and Healthcare
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- Oil & Gas
- Portable Switch Rooms
- Power Generation
- Records Storage
- Transportation
- Wind Power Generation
- Warehousing

VESDA Products List

VESDA VLP	
	<p>Central element of the ASD product range. VESDA VLP is classed as a “Very Early Warning Smoke Detector”, which means that it detects fire at the earliest possible stage and reliably measures very low to extremely high concentrations of smoke. Has an alarm sensitivity range of 0.005%–20% obs/m (0.0015%–6.25% obs/ft).</p> <p>All detectors include a head termination card with 7 relays (HTC7) and a socket.</p>
Ordering Codes	Description
VLP-000	VLP detector only enclosure with three blank plates. Non EN54-20 Approved Product
VLP-002	VLP detector with two blank plates and a standard Display module. The Display module is mounted in the far right position.
VLP-012	VLP detector with a centrally mounted LCD Programmer module and a Standard Display module.
VLP-400	VLP detector only enclosure with three blank plates. The plate in the far left position includes Fire 1 Alarm and OK (FOK) LED's.
VLP-401	VLP detector with Programmer and Fire/OK LEDs.
VLP-400-CH	VLP detector only enclosure with three blank plates. The plate in the far left position includes Fire 1 Alarm, Power and Fault LED's. Chinese display labels.
VLP-00100-NF	VLP detector with Programmer and Fire/OK LEDs. French version.
VLP-00200-NF	VLP detector with display. French display labels.
VLP-01200-NF	VLP detector with display and programmer module. French display labels.
Approvals: UL, ULC, FM, LPCB, VdS, CFE, ActivFire, AFNOR, VNIPO, CE, EN 54-20 (Class A (30 holes), Class B (60 holes), Class C (100 holes))	
Dimensions: 350 x 225 x 125 mm (13.8 x 8.9 x 4.9 in)	
Weight: 4.0 kg (9 lbs) including Display and Programmer modules	
Area Coverage: 2,000 m ² (21,520 ft ²)	

VESDA VLS



Similar to the standard VESDA VLP detector, but also includes a valve mechanism in the inlet manifold and software to control the airflow from the four sectors (pipes). This configuration enables a single VESDA zone to be divided into four separate sectors. All detectors include a head termination card with 7 or 12 relays and a socket.

Ordering Codes	Description
VLS-200	VLS detector only enclosure with three blank plates. Non EN54-20 Approved Product. 7 Relay version.
VLS-204	VLS detector with two blank plates and a SCANNER Display module. The Display module is mounted in the far right position. 7 Relay version.
VLS-214	VLS detector with a centrally mounted LCD Programmer module and a SCANNER Display module. 7 Relay version.
VLS-300	VLS detector only enclosure with three blank plates. Non EN54-20 Approved Product. 12 Relay Version.
VLS-304	VLS detector with two blank plates and a Scanner Display module. The Display module is mounted in the far right position. 12 Relay version.
VLS-314	VLS Detector with a centrally mounted LCD Programmer module and a Scanner Display module. 12 Relay version.
VLS-600	VLS detector only enclosure with three blank plates. The plate in the far left position includes FIRE 1 Alarm for any sector and OK (FOK) LED's. 7 Relay version.
VLS-600-CH	VLS Detector only enclosure with three blank plates. The plate in the far left position includes Fire 1 Alarm and OK (FOK) LED's with 7 relays. Chinese display labels.
VLS-700	VLS detector only enclosure with three blank plates. The plate in the far left position includes FIRE 1 Alarm for any sector and OK (FOK) LED's. 12 Relay version.
VLS-700-CH	VLS Detector only enclosure with three blank plates. The plate in the far left position includes Fire 1 Alarm and OK (FOK) LED's with 12 relays. Chinese display labels.
VLS-20000-NF	VESDA VLS with 7 relays and Fire/OK LEDs. French version.
VLS-20400-NF	VESDA VLS with 7 relays and display module. French display labels.
VLS-21400-NF	VESDA VLS with 7 relays, display and programmer module. French display labels.
VLS-30000-NF	VESDA VLS with 12 relays and Fire/OK LEDs. French version.
VLS-30400-NF	VESDA VLS with 12 relays and display module. French display labels.
VLS-31400-NF	VESDA VLS with 12 relays, display and programmer module. French display labels.
Approvals: UL, ULC, FM, LPCB, VdS, CFE, ActivFire, AFNOR, VNIPO, CE, EN 54-20 (Class A (40 holes), Class B (40 holes), Class C (60 holes))	
Dimensions: 350 x 225 x 125 mm (13.8 x 8.9 x 4.9 in)	
Weight: 4.0 kg (9 lbs) including Display and Programmer modules	
Area Coverage: 2,000 m ² (21,520 ft ²)	

VESDA VLC



Specifically designed to provide all the benefits of aspirating smoke detection, including very early warning, in single environment medium areas and where space is a premium. The VLC combines the well-proven detection technology with a modified aspirator design, and incorporates them into a compact enclosure with a simplified display.

Ordering Codes	Description
VLC-500	VESDA VLC Relay Only Version, 3 levels of Alarm provided, adjustable sensitivity. Directly programmable with Xtralis VSC software via a serial link connection.
VLC-505	The VN version utilises VESDA Programmers including Hand Held, Remote Mount, Rack Mount versions or PC Link HLI connected to a PC running Xtralis VSC/Xtralis VSM4 software.
VLC-50000-NF	French version
VLC-50500-NF	French version
VLC-400	VESDA VLC Detector (Apollo Version) This variant of the VLC transmits an analogue signal to any XP95 or Discovery compatible fire panel.
VLC-600	VESDA VLC Detector Simplex
VLC-800	VESDA VLC Tyco (MX) version.
Approvals: UL, ULC, FM, LPCB, VdS, CFE, ActivFire, AFNOR, VNIPO, CE, EN 54-20 (Class A (30 holes), Class B (36 holes), Class C (40 holes))	
Dimensions: 225 x 225 x 85 mm (8.85 x 8.85 x 3.34 in)	
Weight: 1.9 kg (4.2 lbs.)	
Area Coverage: 800 m ² (8,610 ft ²)	

VESDA VLC Marine



The VESDA VLC Marine by Xtralis is a tested and certified aspirating smoke detector for use in marine environments. The VESDA VLC Marine aspirating smoke detector is available in two versions, one that interfaces via relays only (RO) and one that interfaces via relays and VESDAnet (VN).

Ordering Codes	Description
VLC-50000-MRN	VLC - Marine RO
VLC-50500-MRN	VLC - Marine VN
Approvals: <ul style="list-style-type: none"> • DNV Type Approval certificate: A-13709. • DNV Location classes: <ul style="list-style-type: none"> ◦ Temperature (D), Humidity (B), Vibration (A), Electromagnetic Compatibility (B), Ingress protection (IP30) or (IP66) with optional enclosure. ◦ Environmental tests have been performed according to Lloyd's Register Specification 1 (2002) for environmental categories ENV1, ENV2, and ENV3. 	
Dimensions: 225 x 225 x 85 mm (8.85 x 8.85 x 3.34 in)	
Weight: 1.9 kg (4.2 lbs.)	
Area Coverage: 800 m ² (8,610 ft ²)	

VESDA VLC-EX



Specifically designed to provide all the benefits of aspirating smoke detection, including very early warning, for the protection of hazardous applications with Zone 2 classification.

Ordering Codes	Description
VLC-505-EX	VLC-505 (VN) EXn Zone 2
VLC-500-EX	VLC-500 (RO) EXn Zone 2
VLC-200-EX-US	VLC-200 (RO) Class 1 Div 2 - 2000 sq. ft.
VLC-205-EX-US	VLC-205 (VN) Class 1 Div 2 - 2000 sq. ft.
VLC-500-EX-US	VLC-500-EX (RO) Class 1 Div 2 - 8000 sq. ft.
VLC-505-EX-US	VLC-505-EX (VN) Class 1 Div 2 - 8000 sq. ft.

Approvals:

ATEX: II 3G

EN 60079-0:2009 and EN 60079-15:2010

Ex ic nA nC IIB T5 Gc IP54

-10°C ≤ Ta ≤ +55°C

Certificate No: ITS 14 ATEX 48089X

QAN: ITS 11 ATEX Q7454

IECEX: II 3G

IEC 60079-15 Ed4.0 and IEC 60079-0 Ed6.0

Ex ic nA nC IIB T5 Gc IP54

-10°C ≤ Ta ≤ +55°C

Certificate No: IECEX ITS 14.0050X

QAR: GB/ITS/QAR 11.0016/00

Dimensions: 268 x 268 x 97 mm (10.5 x 10.5 x 3.8 in.)

Weight: 4.9 kg (10.8 lbs)

Area Coverage: 800 m² (8,610 ft²)

VESDA VLF-250



A very early warning smoke detector designed to protect small, business-critical environments of less than 250 m² (2690 sq. ft.).

Ordering Codes	Description
VLF-250-00	VESDA VLF. European language set. English display labels
VLF-250-01	VESDA VLF. European language set. International display labels
VLF-250-02	VESDA VLF. English + Asian language set. International display labels
VLF-250-02 CHINA	VESDA VLF. Chinese Display Labels.
VLF-250-04	VESDA VLF. English + Russian language set. International display labels
VLF-250-05	VESDA VLF. English + Eastern Euro language set. International display labels
VLF-250-SIE	VESDA VLF Siemens version.
VLF-250-01NF	VESDA VLF French version.
Approvals: UL, ULC, FM, CFE, LPCB, VdS, VNIIPO, AFNOR, ActivFire, CE, EN 54-20 (Classes A (12 holes), B (12 holes), C (12 holes))	
Dimensions: 256 x 183 x 92 mm (10 x 7 x 3 in)	
Weight: 2 kg (4.4 lbs)	
Area Coverage: 250 m ² (2,690 ft ²)	

VESDA VLF-500



A very early warning smoke detector designed to protect small, business-critical environments of less than 500 m² (5380 sq. ft.)

Ordering Codes	Description
VLF-500-00	VESDA VLF. European language set. English display labels
VLF-500-01	VESDA VLF. European language set. International display labels
VLF-500-02	VESDA VLF. English + Asian language set. International display labels
VLF-500-02 CHINA	VESDA VLF. Chinese Display Labels
VLF-500-04	VESDA VLF. English + Russian language set. International display labels
VLF-500-05	VESDA VLF. English + Eastern Euro language set. International display labels
VLF-500-SIE	VESDA VLF Siemens version.
VLF-500-01NF	VESDA VLF French version.
Approvals: UL, ULC, FM, CFE, LPCB, VdS, VNIIPO, AFNOR, ActivFire, CE, EN 54-20 (Classes A (30 holes), B (30 holes), C (30 holes))	
Dimensions: 256 x 183 x 92 mm (10 x 7 x 3 in)	
Weight: 2 kg (4.4 lbs)	
Area Coverage: 500 m ² (5,380 ft ²)	

VESDA VLI



The VESDA VLI is an industry first early warning aspirating smoke detection system, designed to protect industrial applications up to 2000 m² (21,520 sq. ft.). The VLI detector combines a patented fail-safe Intelligent Filter with Clean Air Zero and clean-air barrier for optics protection complementing absolute detection and providing longer detection chamber life all enclosed in a robust IP66-rated enclosure.

Ordering Codes

Description

VLI-880	VESDA VLI Detector.
VLI-885	VESDA VLI with VESDAnet
VRT-Q00	VESDA VLI Remote Display 7 Relays
VRT-T00	VESDA VLI Remote Display No Relays
VLI-88000-NF	VESDA VLI Detector. French version.
VLI-88500-NF	VESDA VLI with VESDAnet card. French version.

Approvals: UL, ULC, FM, ActivFire, CE, LPCB, NF, EN 54-20, (Class C (60 holes), Class B (28 holes), Class A (24 holes))

Dimensions: 426.5 x 316.5 x 180 mm (16.8 x 12.5 x 7.1 in)

Weight: 6.035 kg (13.3 lbs)

Area Coverage: 2,000 m² (21,520 ft²)

VESDA VFT-15



A multi-channel microbore air-sampling systems with an alarm sensitivity range from 0.001% to 20% obs/m (0.0003% to 6.10% obs/ft). VFT-15 provides pinpoint addressability to identify up to 15 protected areas via microbore air sampling tubes.

Ordering Codes

Description

VFT-15	24 VDC, Display/Programmer, TCP/IP, 15 inlets, Class A/B/C, 0.001 to 20% obs/m (0.0003 to 6.1% obs/ft)
VFT-15-C	24 VDC, Display/Programmer, TCP/IP, 15 inlets, Class C, 1 to 20% obs/m (0.3 to 6.1% obs/ft)
01-V921-15	VFT-15 Remote Display

Approvals: UL, ULC, FM, VdS, CE, EN54-20 (Classes A, B, C)



Dimensions: 490 x 355 x 200 mm (19.3 x 14.0 x 7.9 in.)

Weight: 12 kg (26.5 lbs)

Area Coverage: 1,500 m² (16,150 ft²) across 15 sectors






VESDA Accessories List

Remote Mount Configuration (VRT) - Single Box

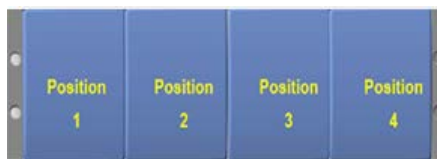
Product Image	Ordering Code	Description
	VRT-100	Programmer. Includes remote termination card with no relays.
	VRT-200	VESDA VLP with a remote termination card. Display. 7 Relays
	VRT-600	VESDA VLP with a remote termination card. Display. No Relays
	VRT-400	VESDA VLS Display with a remote termination card. 7 Relays
	VRT-700	VESDA VLS Display with a remote termination card. No Relays
	VRT-800	VESDA VLS Display with a remote termination card. 12 Relays
	VRT-W00	VESDA VLF Display with a remote termination card. No Relays
	VRT-V00	VESDA VLF Display with a remote termination card. 7 Relays
	VRT-J00	VESDA VLC Display with a remote termination card. 7 Relays
	VRT-K00	VESDA VLC Display with a remote termination card. No Relays
	VRT-T00	VESDA VLI Display with a remote termination card. No Relays
	VFT-Q00	VESDA VLI Display with a remote termination card. 7 Relays
	VRT-300	For remote connection to the VESDAnet.
	VRT-500	Includes blank plate with a remote mounting box. 7 Relays version for VLP, VLF, or VLC
	VRT-E00	Includes blank plate with a remote mounting box. 7 Relays version for VLS
	VRT-900	Includes blank plate with a remote mounting box. 12 Relays version for VLS
	VRT-S07	A remote termination card with new software supplied in a remote mounting box (VRT); it allows reporting of ANY alarm or fault condition that appears on a VESDAnet loop regardless of the initiating zone.
	VRT-A10	VESDA Analogue Output Module (AOM) An interface accessory/termination card that provides an output proportional to a digitally recorded smoke reading.
	VRT-J0000-MRN	Remote Display – VESDA VLC Marine

Note: All configurations include the remote mounting box, and are identifiable from a standard remote mounting box by the text on the blue cover. They can also be distinguished by the part number on the ratings label that appears on the bottom of the unit.

Detector and Subrack Enclosures

Product Name and Image	Ordering Code	Country	Description
 <p>19" Rack enclosure</p>	020-055	UK	For up to five VESDA sub racks (not included). The enclosure has a glazed lockable door and an internal swing frame to allow easy access to the back of the sub rack.
 <p>Sub Rack Enclosure</p>	VRE-100	US	Glass door enclosure for 19" sub rack. Fits up to three racks, or two racks with VESDA Power Supply. Blank plates, the length of a subrack (19") are used for empty slots.
	VRE-001	US	Sub Rack Enclosure Single blanking plate
	VRE-002	US	Sub Rack Enclosure Double blanking plate
 <p>19" Rack Enclosure</p>	020-052	UK	For up to two VESDA sub racks (not included). The enclosure has a glazed lockable door and an internal swing frame to allow easy access to the back of the sub rack.
 <p>Detector Enclosure</p>	020-050	UK	This IP65 enclosure is built to accommodate either a VESDA VLP, VESDA VLS, VESDA VLC or VESDA VLF detector, or a Remote Module for a programmer or Display. The enclosure has a hinged door for easy access for installation and maintenance which includes a glass window to view an onboard display. It includes predrilled holes for inlet and exhaust ports and cable entries so that installation of a Detector/ Remote Module is a simple process requiring minimum tools.
	149-021	UK	Single row blanking plate. Used to fill the enclosure if less sub racks are used than the enclosures maximum.

Sub Rack Configurations (VSR)



The VESDA Sub Rack can be configured in thousands of different ways.

To configure, choose a module for each of the four positions shown below. The modules will be assembled in the configuration you specify, from left to right. Position 1 is the far left position, while Position 4 is the far right. The Sub Rack mounts on any standard 19" rack. Sub rack enclosures are also available.

Sub Rack configurations include the options for both "front" and "back" modules.

- Front module: is a display, programmer, or VESDAnet socket.
- Back modules: are remote termination cards with a variety of relay options.

To configure your Sub Rack, use the matrix that follows.

The "Empty" Sub Rack: VSR - 0000 is a 19" Sub Rack without remote modules. Once modules are added, the part number will change as appropriate. VSR - 0000 has four positions for modules. Select a module for each position from the matrix below.

Pre-configured examples:


	VSR - 2100: 19" Sub Rack with 1 Standard Display with 7 - relay remote termination card in position 1 and a Programmer in position 2. Blank plates are in position 3 and 4.
	VSR - 4423: 19" Sub Rack with: 2 Scanner Displays with 7 - relay remote termination cards in positions 1 and 2. A Standard Display with 7 - relay remote termination card occupies position 3 and a VESDAnet Socket is in position 4.

VSR Spare Modules





1. All programmers and displays require remote termination cards.
2. Every relay termination card requires a display or relay processor board.
3. If you are using the sub rack for remote relays only, you must have a relay processor board in each position that has a relay.

Ordering Code	Description
VSR-1	Programmer with remote termination card - no relays
VSR-2	Standard display with 7 relay remote termination card
VSR-3	VESDAnet Socket
VSR-4	Scanner display with 7 relay remote termination card
VSR-5	7 relay remote termination card and relay processor
VSR-6	Standard display with remote termination card - no relays
VSR-7	Scanner display with remote termination card - no relays
VSR-8	Scanner display with 12 relay remote termination card
VSR-9	12 relay remote termination card and relay processor
VSR-A	Programmer sharing adjacent termination card
VSR-J	VLC VN Display with 7 relays
VSR-K	VLC VN display with no relays
VSR-Q	VLI display with 7 relays
VSR-T	VLI display with no relays
VSR-V	VLF display with 7 relay remote termination card
VSR-W	VLF display without relays




Sub Racks for VFT-15

Product Name and Image	Ordering Code	Description
 Mini RDU RS485	01-E922-01	19" rack mount for use with VFT-15. Unit provides a compact size user interface display of the associated VFT-15 detector.

VESDAnet and Relay Cards

Product Name and Image	Ordering Code	Description
 VESDAnet Network Interface Card	VIC -010	A simple interface card for the range of VESDA VLF smoke detectors. The VN Card provides seamless VESDAnet communication from the detector to other VESDAnet devices, including configuration and monitoring tools.
 VESDAnet multi-function Control Card	VIC -020	Provides additional 2 relays and 1 General Purpose Output (GPI). For VESDA VLF
 VESDAnet Network Interface Card with MPO	VIC -030	VESDA multi -function Control Card with Powered Output (MPO). Provides all the features of the VIC-020 with an additional Relay which can be programmed as a Monitored Powered Output. For VESDA VLF
 Re-Transmission Module	01-E624-00	8 Channel, 4-20mA Re-Transmission Module. FT Series for use in VFT-15.

VESDA VFT-15 Relay Cards


Product Name and Image	Ordering Code	Description
 Relay Module	01-E606-01	4-Channel Relay Module
 Re-transmission Module	01-E624-00	8-Channel 4-20 mA Re-Transmission Module
 Interface Card	01-E627-00	The VFT-15 VESDAnet Interface Card (VN Card) is a simple interface for the VESDA VFT-15 detector. It provides seamless VESDAnet communication from the detector to other VESDAnet devices including the Xtralis VSC configuration tool and Xtralis VSM4 monitoring tool.

Programming Options



The PC - Link High Level Interface (PC - Link HLI) connects a PC and VESDA system. Each PC - Link HLI includes two cables (It does not include a PC):

- RS232 from HLI to PC Com port
- RS485 from HLI to VESDAnet Socket

Product Image	Ordering Code	Description
	VHH-100	Hand held Programmer including Lead for temporary connection of a programmer to a network via a VESDAnet socket.
	VHX-0200	Sliding Windows RS232 Interface For Xtralis VSM4 and Xtralis VSC Software
	VHX-0210	Sliding Windows With Dial In/Dial Out functionality
	VHX-0300	Open Protocol Peer to Peer High level Interface. RS232 Interface for connection to a BMS or Fire Panel
	VHX-0310	Open Protocol Master - Slave High level Interface. RS232
	VHX-0320	VESDA Access HLI Standard
	VHX-0420	VESDA Modbus Type 3 HLI Standard
	VHX-0400	ModBus HLI - Type 1 Metal Box Wall-mounted
	VHX-0410	ModBus HLI - Type 2 Metal Box Wall-mounted
	VHX-1200	Wall-mounted HLI. Links VESDAnet with Xtralis VSM4 and Xtralis VSC. Includes a built-in VESDAnet port and VESDAnet socket card.
	VHX-1300	Wall-mounted Open Protocol Peer-to-Peer
	VHX-1310	Wall-mounted Open Protocol Master-Slave
	VHX-1320	VESDA Access HLI Metal Box Wall-mounted
	VHX-1400	ModBus HLI - Type 1
	VHX-1410	ModBus HLI - Type 2
	VHX-1420	VESDA Modbus Type 3 HLI Metal Box Wall-mounted





Spare Parts/Modules

Part Number	Description
VSP-000	Blank plate, with VESDA logo
VSP-001	Programmer Module
VSP-002	VLP Display Module
VSP-003	VESDAnet Socket kit
VSP-004	VESDA VLS Display Module
VSP-005	Filter Cartridge
VSP-006	VESDA VLP Detector Chassis Assembly, includes Manifold
VSP-007	Remote Termination Card No Relays (RTC0)
VSP-008	Remote Termination Card 7 Relays (RCT7)
VSP-009	VESDA VLS Chassis Assembly, includes Scanning Manifold
VSP-011	Recess Mounting Kit for VESDA VLP or VESDA VLS Detector
VSP-012	Recess Mounting Kit for remote single boxes
VSP-013	Detector Cover Assembly with EMC Shields
VSP-014	7 Relay Head Termination Card (HTC7)
VSP-015	Aspirator for VESDA VLP and VESDA VLS
VSP-016	12 Relay Head Termination Card (HTC12)
VSP-018	Filter Switch
VSP-019	Filter Cover
VSP-020	VLP and VLS Screw Covers (Pack of 2)
VSP-021	Metric to Imperial Pipe Adaptors, Kit of 4
VSP-025	Filter Cartridge - Pack of 20
VSP-028	VESDA VLP/VESDA VLS Mounting Bracket
VSP-030	VESDA VLI Intelligent Filter Spare Part
VSP-031	VESDA VLI Secondary Filter Spare Part
VSP-032	VESDA VLI Aspirator Spare Part
VSP-033	VESDA VLI Chamber Assembly Spare Part
VSP-034	VESDA VLI VESDAnet Interface Card
VSP-035	VESDA VLI Remote Display Module
VSP-036	VESDA VLI Ultrasonic Flow Manifold Spare
VSP-100	Blank Plate with FOK LED's and Logo
VSP-100US-PCB	Power Supply Circuit Board Only
VSP-TRAN-120	Transformer Only
VSP-102	Non Scanner relay processor module (DRP). Required if remote relays are used with no display.
VSP-103	Scanner relay processor Module (DRP). Required if remote relays are used with no display
VSP-200	Blank Plate, EMC painted, without Logo
VSP-208	12 Relay Remote Termination Card (RCT12)
VSP-501	Aspirator, VESDA VLC
VSP-502	Compact (VN) Remote Display Module
VSP-509	Computer lead for use with VESDA VLC Relay Only (RO) & VLF Version
VSP-510	Compact (RO) Termination Card (CTC-RO)
VSP-511	VESDAnet RS-485 15-way cable




Part Number	Description
VSP-515	Compact (VN) Termination Card (CTC-VN)
VSP-540	Exhaust Deflector, Black, for use with VESDA VLP, VESDA VLS and VESDA VLC
VSP-715	VLF Aspirator
VSP-722	VESDA VLF-250 Aspirator Assembly (1 fan)
VSP Exhaust	Exhaust Deflector, Grey, for use with VESDA VLF
VSP-850-G	Xtralis In-Line Filter - Gey
VSP-850-R	Xtralis In-Line Filter - Red
VSP-850-M	Xtralis In-Line Filter - Metal
VSP-855-4	Xtralis In-Line Filter Elements (4 pack)
VSP-855-20	Xtralis In-Line Filter Elements (20 pack)
VSP-890	VLQ Surface Mount Kit
VSP-891	VLQ Flush Mount Kit
VSP-892	VLQ Replacement Filter
VSP-892-20	VLQ Replacement Filter (20 pieces)
VSP-893	VLQ Pipe Kit (Metric) Two short pipe studs (15 cm), two end-caps and sampling point decals
VSP-893-US	VLQ Pipe Kit (Imperial) Two short pipe studs (6 in.), two end-caps and sampling point decals - US
02-FL01-01	Scintered EOL Filter for use with microbore tubing on VFT-15
E700-FIL-ASSY	External filter assembly
ISP-102-01	Gaswitch Unit for VFT-15
ISP-106-01	Pump for VFT-15
ISP-110-01	Replacement cover VFT-15
ISP-113-01	Detector chamber for VFT-15
ISP-127	VFT-15 Display Replacement



Batteries and Power Supplies


Batteries

Product Image	Ordering Code	Country	Description
	NP7-12	UK	YUASA 12v 2 x 7Ah Sealed Lead Acid Battery
	NP12-12	UK	YUASA 12v 12Ah Sealed Lead Acid Battery
	NP38-12	UK	YUASA 12v 38Ah Sealed Lead Acid Battery
	VBT-012	US	Battery, Sealed, Lead Acid, 12VDC, 12 Amp/Hour (2 Required per Detector)

Power Supplies - all countries


	VPS-220-E 	VPS-215-E 	VPS-250-E 
Nominal AC Supply Voltage	230 Vac (tested +10%—15%)		
Output Voltage	19.5-30 VDC	19.5-30 VDC	19.5-30 VDC
Load	0.5 / 1.0 amps (1 amp not EN54-4)		2 / 3 amps (3 amps not EN54-4)
Dimensions (H x W x D)	225 x 351 x 110 mm	226 x 286 x 113 mm	352 x 455 x 182 mm
Weight	kg (without batteries) 14 kg (with max batteries)	2.5 kg (without batteries) 8 kg (with max batteries)	7 kg (without batteries) 35 kg (with max batteries)




	VPS-220-U 	VPS-215-U 
Nominal AC Supply Voltage	230 Vac (+10% / -15%) @ 0.6 A factory default setting 110 Vac (+10% / -15%) @ 1.2 A field selectable option	
Output Current	0 A (EN 54-4 1 min.) 0.5 A (EN 54-4 1 max. a) 1.9 A (EN 54-4 1 max b)	
Load	0.5 / 1.0 amps (1 amp not EN54-4)	0.5 / 1.0 amps
Dimensions (H x W x D)	225 x 350 x 105.2 mm	225 x 285 x 115.2 mm
Weight	3.6 kg (without batteries) 14.2 kg (with max batteries)	2.95 kg (without batteries) 8.25 kg (with max batteries)

	01-EP02-02E * 
Nominal AC Supply Voltage	230 Vac (tested +10%—15%)
Output Voltage	19.5-30 VDC
Load	2 / 3 amp (3 amps not EN54-4)
Dimensions (H x W x D)	275 x 175 x 170 mm
Weight	2 kg (without batteries) 15 kg (with max batteries)


Note: * This power supply can be fitted inside the VESDA VFT-15 detector.

Power Supplies - US


	VPS-100CN-120 
Nominal AC Supply Voltage	120 VAC/1.4A
Output Voltage	27.6 V nominal
Load	Total output current = 1.5 A
Dimensions (H x W x D)	Approx. Chassis: 16.5 x 11.8 x 4.5"; Cover 16.9 x 12.2 x 4.6"
Weight	13.40 lbs

	VPS-100US-120 	VPS-100US-220 	VBC-001 * 
Nominal AC Supply Voltage	120 VAC	230 VAC	-
Output Voltage	27.6 VDC (Nominal)		-
Load	1.5 Amps (max.)		-
Dimensions (H x W x D)	13.9 x 9 x 4.5 in.	13.9 x 9. x 4.5 in.	13.9 x 9 x 4.5 in.
Weight	10 lbs. without batteries	10 lbs. without batteries	6 lbs. without batteries

Note: * VBC-001 is a battery cabinet that takes up to 4 batteries, 12 Vdc, 12 Amp/h.

	VPS-300US-120 *	VPS-300US-220 *
		
Nominal AC Supply Voltage	120 VAC	220 VAC
Output Current	1.5 Amps (max.)	
Load	0.5 / 1.0 amps (1 amp not EN54-4)	0.5 / 1.0 amps

Note: * Each VPS-300US-120 or VPS-300US-220 power supply is a VPS-100US-XXX power supply plus the VBC-001 battery cabinet.

	VPS-400US-48 
Nominal AC Supply Voltage	48 VDC
Output Voltage	24 VDC
Load	2.5 amp
Dimensions (H x W x D)	350 x 225 x 125 mm (13.8 x 8.9 x 4.9 in.)
Weight	3.6 Kg (8 lbs.)

VESDA Demo Kits

Ordering Code	Description
VKT-001	VESDA VLP Demo Kit for Australia., New Zealand, Asia
VKT-002-US	VESDA VLP VKT-002 Sales Demo Kit, includes VLP-012
VKT-004	Laser Compact Demo Kit
VKT-004-US	VESDA VLC VKT-004 Sales Demo Kit, includes VLC-505
VKT-020	VESDA VLF-250 demo unit only. Demo unit with power connector plug installed and short length of pipe, elbow, end cap and two pipe labels. Euro language.
VKT-020-US	VESDA VLF VKT-020 Sales Demo Kit, includes VLF-250
VKT-021	VESDA VLF Demo Kit, International and Euro 1
VKT-022	VESDA VLF Demo Kit, International and Asian 1
VKT-050	VESDA VLF-500 demo unit only Demo unit with power connector plug installed and short length of pipe, elbow, end cap and two pipe labels.
VKT-050-US	VESDA VLF VKT-050 Sales Demo Kit, includes VLF-500
VKT-051	VLF-500 Intl/Euro Demo Kit
VKT-052	VLF-500 Intl/Asian Demo Kit
VKT-100	VLQ Demo Kit
VKT-800	VEU-A10 Demo Kit
VKT-50500	Dual 19" SR 3 HLIs - Europe

ICAM Flexible Aspirating Smoke Detection



High-sensitivity Aspirating Smoke Detection Systems

ICAM by Xtralis detectors excel in area coverage and powerful performance and are suited to a host of applications – stand-alone or networked – in the most demanding environments.

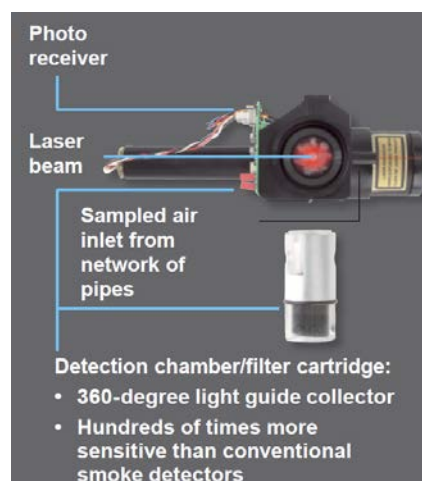
Our state-of-the-art detectors, built for flexibility and dependability, are found in power stations, telecommunication sites, mines, IT facilities, LCD fabs, semiconductor clean rooms, prisons, warehouses, cold storage rooms, harsh and hazardous areas, trains, historic buildings, museums and even in residences.

The ICAM range provides powerful diagnostic information and communication with monitoring, programming, graphics and control of all detector functions fully accessible from virtually anywhere.

Approved worldwide and manufactured according to the strictest ISO 9000 quality control procedures, the ICAM range includes both aspirating point detectors and very high-sensitivity ASD systems.

How ICAM Works

The ICAM IFT high-sensitivity ASD is an instrument-quality nephelometer collecting scattered laser light from smoke particles over a full 360-degree sweep. The resulting sensitivity is 0.001% obs/m (0.0003% obs/ft), which is several hundred times more sensitive than conventional smoke detectors. This sensitivity, coupled with advanced processing and filtration, enables ICAM IFT systems to be used in the world's most demanding applications and environments.



Applications

- Accommodation (Apartments, Hotels, Shops and Offices)
- Correctional Facilities
- Clean Rooms
- Cold Storage
- Cultural/Heritage
- Data & Telecom
- Hospitals and Healthcare
- Insurance
- Marine
- Nuclear Facilities
- Oil & Gas
- Portable Switch Rooms
- Power Generation
- Records Storage
- Transportation
- Wind Power Generation
- Warehousing

ICAM Products List

ICAM IAS



ICAM IAS Detectors are Point In A Box (PIAB) Aspirating Smoke Detection (ASD) solutions that incorporate conventional or analog addressable point detectors and meet the unique needs of many commercial and industrial applications. IAS applications are wide and varied including but not limited to roof spaces, under floor voids, elevator shafts and ducts, to name a few.

Ordering Codes	Description
IAS-1	IAS Aspirating Smoke Detector - Single Channel
IAS-2	IAS Aspirating Smoke Detector - Dual Channel
IAS-1-AU	IAS Aspirating Smoke Detector - Single Channel for Australia
IAS-2-AU	IAS Aspirating Smoke Detector - Dual Channel for Australia
Approvals: ActivFire, EN54-20 (VdS) with certified point detector fitted. Class dependent upon point detector fitted.	
Dimensions: 259 x 184 x 166 mm (10.2 x 7.2 x 6.5 in.)	
Weight: 5 Kg (11 lbs)	
Area Coverage: 2,000 m ² (21,520 ft ²)	

Note: Point detectors are ordered from their manufacturer/supplier; while baffles are ordered separately from Xtralis depending on the point detector type.

ICAM ILS



ICAM ILS systems provide Laser Air-sampling Smoke Detection solutions to meet the unique needs of numerous commercial and industrial applications. ILS systems are suitable for both high sensitivity and multi-hole Class C applications.

Ordering Codes	Description
ILS-1	ILS Laser Aspirating Smoke Detector - Single Channel
ILS-2	ILS Laser Aspirating Smoke Detector - Dual Channel
Approvals: Equipment Approvals: <ul style="list-style-type: none"> • EN54-20 (VdS) • CE - EMC and CPR • EN54-20 Sensitivity (holes per pipe), Class A (3 holes), Class B (6 holes), Class C (18 holes) Factory Approvals: VdS	
Dimensions: 259 x 184 x 166 mm (10.2 x 7.2 x 6.5 in.)	
Weight: 5 Kg (11 lbs)	
Area Coverage: 2,000 m ² (21,520 ft ²)	

Note: ILS is shipped with baffle(s) and point detector(s). There is no need to order the baffles and point detectors separately.

ICAM IFT-P



The ICAM IFT-P detector is an air-sampling system with an alarm sensitivity range from 0.001% to 20% obs/m (0.0003% to 6.10% obs/ft). This detector is classified as a Very Early Warning Smoke Detector that can reliably detect fire at an early stage, and low to high concentrations of smoke over an area of up to 2000 m² (21,520 sq. ft).

Ordering Codes

Description

IFT-PT

IFT-P 24 VDC with TCP/IP

Approvals: FM, UL, ULC, VdS, CCCF, CE - EMC and CPR, EN54-20 (Class A (12 holes), Class B (36 holes), Class C (36 holes))

Dimensions: 254 x 180 x 165 mm (10.0 x 7.1 x 6.5 in.)

Weight: 5 Kg (11 lbs)

Area Coverage:

- 2,000 m² (21,500 ft²) for VdS installations
- 1,600 m² (17,200 ft²) for NF installations
- 850 m² (9,150 ft²) for UL installations

ICAM IFT-1



The ICAM IFT-1 detector is an air-sampling system with an alarm sensitivity range from 0.001% to 20% obs/m (0.0003% to 6.10% obs/ft). This detector is classified as a Very Early Warning Smoke Detector and can reliably detect fire at an early stage, and low to high concentrations of smoke over an area of 2000 m² (21,520 sq. ft).

Ordering Codes

Description

IFT-1T

IFT-1 24 VDC with Beacon and TCP/IP

IFT-1DT

IFT-1 24 VDC with Display/Programmer and TCP/IP

01-E921-01

IFT-1 - Remote Display

Approvals: UL, ULC, FM, CCCF, CE - EMC and CPR, VdS, NF, EN54-20 (Class A (16 holes), Class B (72 holes), Class C (72 holes))

Dimensions: 490 x 355 x 200 (19.3 x 14.0 x 7.9 in.)

Weight: 8 Kg (17.6 lbs)

Area Coverage: 2,000 m² (21,500 ft²)

ICAM IFT-4 and ICAM IFT-6



The ICAM IFT-4 and IFT-6 detectors are multi-channel large bore air sampling systems with an alarm sensitivity range from 0.001% to 20% obs/m (0.0003% to 6.10% obs/ft). These detectors are classified as a Very Early Warning Smoke Detectors and can reliably detect fire at an early stage, and low to high concentrations of smoke. As a multi-channel system, the IFT detector is able to divide a protected space into sampling sectors, enabling the localization of a fire for faster incident response.

Ordering Codes	Description
IFT-4T	IFT-4 24 VDC with Beacon and TCP/IP
IFT-4DT	IFT-4 24 VDC with Display and TCP/IP
IFT-6T	IFT-6 24 VDC with Beacon and TCP/IP
IFT-6DT	IFT-6 24 VDC with Display and TCP/IP
01-E921-04	IFT-4 Remote Display
01-E921-06	IFT-6 Remote Display
Approvals: FM, UL, ULC, VdS, CCCF, CE - EMC and CPR EN54-20: Limits for IFT-4 (Class A (20 holes), Class B (48 holes), Class C (72 holes)) EN54-20: Limits for IFT-6 (Class A (30 holes), Class B (72 holes), Class C (72 holes))	
Dimensions: 490 x 355 x 200 mm (19.3 x 14.0 x 7.9 in.)	
Weight: 12 Kg (26.5 lbs)	
Area Coverage: 1,600 m ² (17,220 ft ²)	

ICAM IFT-15



ICAM IFT-15 detectors are multi-channel microbore air-sampling systems with an alarm sensitivity range from 0.001% to 20% obs/m (0.0003% to 6.10% obs/ft). These detectors are classified as a Very Early Warning Smoke Detectors and can reliably detect fire at an early stage, and low to high concentrations of smoke. As a multi-channel system, the IFT detector is able to divide a protected space into sampling sectors, enabling the localization of a fire for faster incident response.

Ordering Codes	Description
IFT-15DT	IFT-15 24 VDC, Display/Programmer, TCP/IP, Class A/B/C
IFT-15DT-C	IFT-15 24 VDC with Display/Programmer and TCP/IP, Class C
01-E921-15	IFT-15 Remote Display
Approvals: FM, UL, ULC, VdS, CCCF, CE - EMC and CPR, EN54-20 (Classes A, B and C)	
Dimensions: 490 x 355 x 200 mm (19.3 x 14.0 x 7.9 in.)	
Weight: 12 Kg (26.5 lbs)	
Area Coverage: 1,500 m ² (16,150 ft ²)	

ICAM ILQ



The ICAM ILQ detector is a cost-effective Aspirated Smoke Detection (ASD) solution that meets the unique needs of numerous small area applications of up to 100 m² (1,080 sq. ft). Examples of these include telco landline remote offices, base station controllers, remote base stations, small server rooms, data centre containers, critical equipment, packaged HVAC units, anechoic chambers, pump houses, generator enclosures, signalling huts and modular laboratories, just to name a few.


Ordering Codes	Description
ILQ-100	ICAM ILQ Aspirated Smoke Detector
Approvals: UL, ULC, CE - EMC and CPR, LPCB, VdS, EN 54-20 (Class A, B & C with 4 holes)	
Dimensions: 260 x 228 x 110 mm (10.24 x 8.98 x 4.35in)	
Weight: 1.2 Kg (2.65 lbs)	
Area Coverage: 100 m ² (1,080 ft ²)	

ICAM Accessories List

Repeaters and I/O Modules

Ordering Code	Description
01-E920-01	Conversion Kit For Remote Display: Case, Black Plate and Fit
01-E922-00	Blind plate for sub rack

Sub Racks for IFT-15

Product Image	Ordering Code	Description
	01-E922-01	Mini RDU RS485 19" rack mount for use with IFT-15. Unit provides a compact size user interface display of the associated IFT-15 detector.

Spare Parts/Modules

Part Number	Description
ISP-001	Replacement Filter Element FT series, pack of 10. (Coarse 20 ppi) - Black
ISP-002	Replacement Filter Element FT series, pack of 10. (Fine 45 ppi) - Black
ISP-003	Replacement Filter Element FT series, pack of 10. (Coarse 20 ppi) - White
ISP-004	Replacement Filter Element FT series, pack of 10. (Fine 45 ppi) - White
ISP-005	Replacement Filter Element for 02-FLU1/02-FLU2
ISP-100-01	Gaswitch Unit (IFT-4, IFT-6)
ISP-102-01	Gaswitch Unit (IFT-15, VFT-15)
ISP-103-01	Aspirator Fan, IFT-1 (Including Manifold)
ISP-104	Aspirator Fan, IFT-P, IFT-4, IFT-6
ISP-105	Exhaust Silencer
ISP-106-01	Pump for IFT-15, VFT-15
ISP-107	TCP/IP Rabbit Processor Module
ISP-109	Replacement cover for IFT-1
ISP-110-00	Replacement cover for IFT-4, IFT-6, IFT-15
ISP-111	Replacement Beacon Cover
ISP-112-01	Detector chamber for IFT-1, IFT-4, IFT-6
ISP-113-01	Detector chamber for IFT-15, VFT-15
ISP-114-01	Detector chamber for IFT-P
ISP-115	E series Cable assembly beacon
ISP-116	E series Thermistor Cable assembly
ISP-117	IFT-P Fan Cable assembly
ISP-118	IFT-1, IFT-4, IFT-6 Fan Cable assembly
ISP-119	E series Ribbon Cable
ISP-120	Detector shelf plus display IFT-1
ISP-121	Detector shelf plus display IFT-4, IFT-6, IFT-15
ISP-122-01	IFT-P Chassis
ISP-123	IFT-1 Display Replacement
ISP-124	IFT-4 Display Replacement
ISP-125	IFT-6 Display Replacement
ISP-126	IFT-15 Display Replacement

Part Number	Description
ISP-400	IAS-1 Display Kit
ISP-401	IAS-2 Display Kit
ISP-402	ILS-1 Display Kit
ISP-403	ILS-2 Display Kit
ISP-404	Pinnacle + Base + Baffle
ISP-405-00	IAS/ILS Aspirator (non-EN)
ISP-405-01	IAS/ILS Aspirator (EN)
ISP-406	IAS/ILS Cover removal tool
ISP-407	IAS/ILS Corner Studs (pack of 4)
ISP-408	IAS/ILS Flow Sensor Assembly
ISP-420	ILQ Surface Mount Kit
ISP-421	ILQ Flush Mount Kit
ISP-422	ILQ Replacement Filter
ISP-422-20	ILQ Replacement Filter (pack of 20)
ISP-423	ILQ Pipe Kit (Short Pipe Stubs)
ISP-423-US	ILQ Pipe Kit (Short Pipe Stubs) US

Detector Components

Part Number	Description
01-E610	High Intensity Beacon
01-E606-01	4 Channel Relay Module
01-E606-02	Relay module 4 Channel Pico
01-E624-00	8-Channel 4-20 mA Re-Transmission Module
01-E624-01	8-Channel 4-20 mA Re-Transmission Module (Pico)

Baffles

Part Number	Description
06-0000	Blanking Baffle (pack of 10)
06-AD10	Baffle for Tyco detector MX 801PH, MX 830PH, FC 460PH, MX 850PH (pack of 10)
06-AG10	Baffle for Argus Sagittarius SG100 (pack of 10)
06-AP10	Baffle for Apollo detector Discovery, S65 & XP95, GE Security detector DP 652, DP 951, DP 991 (pack of 10)
06-DT10	Baffle for Detectomat detector CT 3000 O, PL 3200 O & PL 3300 O (pack of 10)
06-GE10	Baffle for GE Security detector DP331I (pack of 10)
06-GE20	Baffle for GE Security detector DP 721I & DP 2061 (pack of 10)
06-GT10	Baffle for Gent detector S4-710 OH & S4-911 O2HCO (pack of 10)
06-HK10	Baffle for Hochiki detector SLR-E3 & ALG-E (pack of 10)
06-HK30	Baffle for Hochiki detector ALN-EN (pack of 10)
06-NT10	Baffle for Nittan detector EV-P, EV-DP, EVC-DP (pack of 10)
06-SS10	Baffle for System Sensor detector 2251EM, 7251EM, LZR1-M, FSL-7251E, SDX 751 using B501 Standard Base (pack of 10)
06-SS11	Baffle for System Sensor detector 2251EM, 7251 Pinnacle, LZR1-M, FSL-751E, SDX 751 using B5241EFT Isolator Base (pack of 10)
06-ZE10	Baffle for Zeta detector FAO 2000, FEAO 2000 (pack of 10)
06-SM10	Baffle for Siemens FDOOTC241 with FDB222 base (pack of 10)

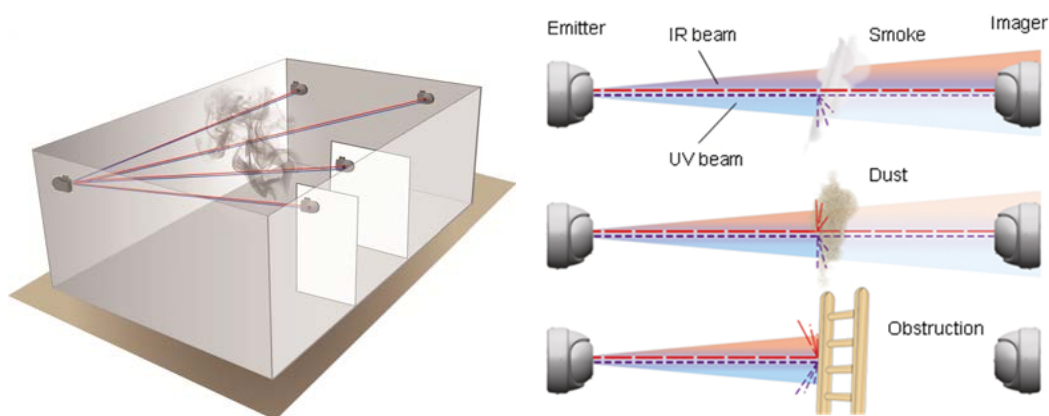
OSID Open-area Smoke Imaging Detection



Open-area Smoke Detection Reinvented

OSID stands for Open-area Smoke Imaging Detector. OSID combines dual frequency (IR and UV) beams with a CMOS Imager detector. OSID operates in both pitch dark as well as bright sunlight. With this new award winning technology also comes; high tolerance to vibration and structural movement as well as good resistance to dust, fogging, steam, reflections and object intrusion. On-board log memory for diagnostic purposes completes the picture. One Imager (receiver) can have up to seven emitters and provides easy 3D coverage for atria, domes etc. Fast and easy installation is an extra perk.


True spatial detection



Applications


- Shopping Malls
- Long Corridors
- Airport Terminals and Train Stations
- Heritage Buildings
- Suspended Ceilings
- Challenging Logistics
- Indoor Stadiums and Arenas
- Dirty Environments
- Hotel and Office-tower Atriums
- Churches and Cathedrals
- Exhibition and Convention Centers
- Industrial and Manufacturing Facilities

OSID Products List


OSID	
	<p>Open-area Smoke Imaging Detection (OSID) by Xtralis is a new innovation in projected beam smoke detection technology. By using advanced dual wavelength projected beams and optical imaging technology for early warning smoke detection, OSID provides a low-cost, reliable and easy-to-install solution that overcomes typical beam detection issues such as false alarm incidents and alignment difficulties.</p>
Ordering Codes	Description
OSI-10	Imager - 7° coverage
OSI-45	Imager - 38° coverage
OSI-90	Imager - 80° coverage
OSE-SP-01	Emitter - Alkaline Battery
OSE-SPW	Emitter - Standard Power, Wired
OSE-HPW	Emitter - High Power, Wired
OSE-HP-01	Emitter - High Power, Alkaline Battery
Approvals: UL, ULC, FM, AFNOR, CE - EMC and CPD, VdS, ActivFire, BOSEC	
Dimensions: 208 x 136 x 96 mm (8.19 x 5.35 x 3.78 in.)	
Weight: Imager: 610 g., Emitter (battery powered): 1.2 kg, Emitter (wired): 535 g	
Area Coverage: 2,000 m ² (21,520 ft ²)	

OSID Accessories List


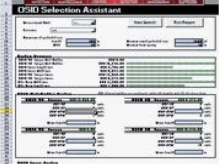
Product Name and Image	Ordering Code	Description
	OSID-INST	OSID Installation Kit
	OSID-EHE	Emitter environmental housing IP66
	OSID-EHI	Imager environmental housing IP66
	OSE-ACF	Anti-condensation film for Emitters
	OSEH-ACF	Anti-condensation film for OSID-EHE and OSID-EHI environmental housings
	OSP-001	FTDI Cable 1.5m
	OSP-002	Laser Alignment tool
	OSID-WG	Wire Guard for Imager and Emitter
	OSE-RBA	Spare alkaline battery pack for Emitter units
	OSE-RBL	Replacement Lithium Ion Kit
	OSI-LS	Light shield for Imagers
	OSP-003	Acrylic test filter - 10 pack
	OSP-003-200	Acrylic test filter - bulk pack 200 units

Product Name and Image	Ordering Code	Description
	OSI-RS	Imager Reset Station

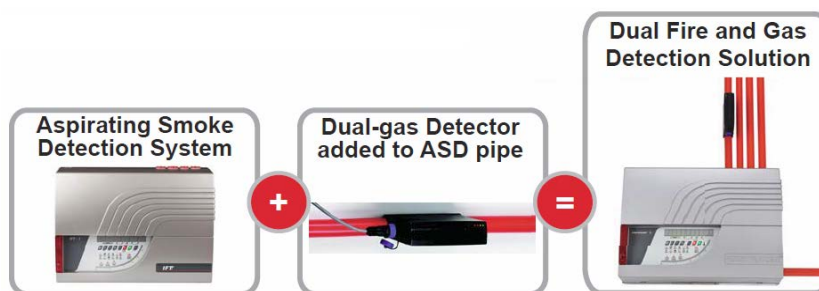
OSID Demo Kit

Product Name and Image	Ordering Code	Description
	VKT-301	OSID Demo kit consisting of 2 X OSE-SPW (fitted with alkaline batteries), 1 X OSI-90, 1 X OSID-INST, fitted in a carry case with mounting plates.

Software

Software	Description
 OSID Diagnostic Tool	<p>OSID Diagnostic Tool is an industry first and unique to the beam market used to retrieve events and data stored in the Imager. It provides a wealth of information surrounding an alarm, fault or any significant change. Data can be analysed and plotted revealing; IR/UV attenuation, beam positioning, temperature, reference signals, contamination etc.</p> <p>Ordering Info: OSID Diagnostic Tool is available for download from www.xtralis.com.</p>
 OSID Selection Assistant	<p>OSID Selection Assistant. Excel based calculation tool to find the best suited OSID solution for a given area. Also compares OSID the solution to any third party beam, including labor and wiring.</p> <p>Ordering Info: Available for download from www.xtralis.com</p>

VESDA ECO/ICAM ECO Aspirating Smoke Detection Combined with Gas Monitoring



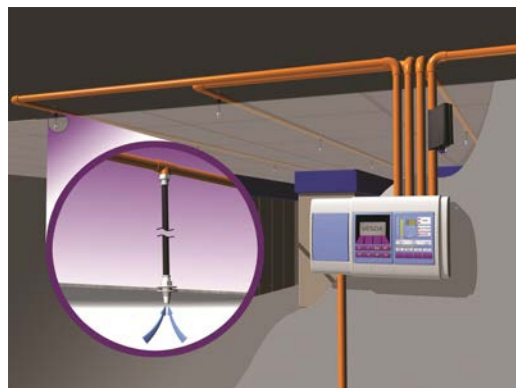
ASD with Gas Detection and Environmental Monitoring

As the world's leading manufacturer of aspirating smoke detection (ASD) solutions, Xtralis is pleased to introduce ECO, the industry's first system to combine ASD with gas detection and environmental monitoring. VESDA ECO/ ICAM ECO:

- Leverages existing VESDA and ICAM ASD pipe networks to cost effectively detect both smoke and gas in addition to providing environmental monitoring
- Provides detection for multiple gases through simple expansion without major construction or retrofitting
- Conditions the air to remove dirt, particulates, moisture, poisonous agents, and cross-interference gases
- Suitable for harsh environments
- Provides non-intrusive detection for aesthetics or to prevent vandalism
- Enables centralized monitoring and communication with building systems for real-time awareness
- Easily integrates with FACP/ PLCs/ HVAC/ BMS

How ECO Works

ECO uses the existing VESDA/ICAM air-sampling pipe network to actively monitor for gas leaks and continuously ensure air quality in occupied areas. ECO reliably detects unseen hazards by conditioning or filtering the air to remove moisture, dirt and other particulates that can cause traditional point gas detection systems to false alarm or become contaminated. The VESDA ECO / ICAM ECO detector is configured using Xtralis VSC configuration software. The detector also can be monitored using Xtralis VSM4 monitoring software. Both Xtralis VSC and Xtralis VSM4 can be used to download data from the on-board memory card for data analysis and trending of historical data.



Applications

- Battery rooms for the detection of hydrogen
- Boiler rooms for the detection of natural gas or LPG
- Control centers in refineries for detection of methane or hydrogen sulfide ingress
- Road tunnels for the detection of carbon monoxide and nitrogen dioxide
- Building utility rooms for the detection of natural gas or LPG
- Elevator shafts for the detection of methane or carbon monoxide
- Warehouse roof spaces for the detection of natural gas from space heaters
- Laboratories for the detection of various flammable and toxic gases
- Enclosed vehicle parking/loading docks for the detection of carbon monoxide and nitrogen dioxide

ECO Products List

VESDA ECO - Detector



VESDA ECO (Ex) provides early warning of toxic, oxygen and flammable gas hazards to protect personnel and property whilst ensuring business continuity. VESDA ECO (Ex) is approved for use within Class I Division 2 classified hazardous locations. It must be used with a similarly approved VESDA ASD and installed within the Class I Div 2 area.

Ordering Codes	Description (Single Gas)
ECO-D-B-11	Hydrogen (H ₂) 0-100% LEL
ECO-D-B-12	Methane (CH ₄) 0-100% LEL
ECO-D-B-13	Propane (C ₃ H ₈) 0-100% LEL
ECO-D-B-14	Hydrogen (H ₂) 0-2000 PPM
ECO-D-B-15	Petrol/Gasoline Vapor 0-100% LEL
ECO-D-B-16	Pentane (C ₅ H ₁₂) 0-100% LEL
ECO-D-B-19	Ammonia (NH ₃) 0-100% LEL
ECO-D-B-20	Alcohol Vapor 0-100% LEL
ECO-D-B-31	Oxygen (O ₂) 0-25% VOL
ECO-D-B-32	Oxygen (O ₂) 0-25% VOL - deficiency and enrichment alarm
ECO-D-B-41	Carbon Monoxide (CO) 0-500 PPM
ECO-D-B-42	Ammonia (NH ₃) 0-100 PPM
ECO-D-B-43	Hydrogen Sulfide (H ₂ S) 0-100 PPM
ECO-D-B-44	Sulfur Dioxide (SO ₂) 0-10 PPM
ECO-D-B-45	Nitrogen Dioxide (NO ₂) 0-10 PPM
ECO-D-B-47	Chlorine (Cl ₂) 0-20 PPM
ECO-D-B-49	Carbon Dioxide (CO ₂) 0-5% VOL
Ordering Codes	Description (Dual Gas)
ECO-D-B-11-31	Hydrogen (H ₂) 0-100% LEL + Oxygen (O ₂) 0-25% VOL
ECO-D-B-12-31	Methane (CH ₄) 0-100% LEL + Oxygen (O ₂) 0-25% VOL
ECO-D-B-12-41	Methane (CH ₄) 0-100% LEL + Carbon Monoxide (C) 0-500 PPM
ECO-D-B-41-45	Carbon Monoxide (CO) 0-500 PPM + Nitrogen Dioxide (NO ₂) 0-10 PPM
ECO-D-B-13-31	Propane (C ₃ H ₈) 0-100% LEL + Oxygen (O ₂) 0-25% VOL
ECO-D-B-13-41	Oxygen (O ₂) 0-25% VOL + Carbon Monoxide (CO) 0-500 PPM
ECO-D-B-41-43	Carbon Monoxide (CO) 0-500 PPM + Hydrogen Sulfide (H ₂ S) 0-100 PPM
ECO-D-B-41-45	Carbon Monoxide (CO) 0-500 PPM + Nitrogen Dioxide (NO ₂) 0-10 PPM

Ordering Codes	Description (Single Gas, Class 1 Division 2)
ECO-D-B-11-Ex	Hydrogen (H2) 0-100% LEL
ECO-D-B-12-Ex	Methane (CH4) 0-100% LEL
ECO-D-B-13-Ex	Propane (CH4) 0-100% LEL
ECO-D-B-14-Ex	Hydrogen (H2) 0-2000 PPM
ECO-D-B-15-Ex	Petrol/Gasoline Vapor 0-100% LEL
ECO-D-B-16-Ex	Pentane (C5H12) 0-100% LEL
ECO-D-B-19-Ex	Ammonia (NH3) 0-100% LEL
ECO-D-B-20-Ex	Alcohol Vapor 0-100% LEL
ECO-D-B-31-Ex	Oxygen (O2) 0-25% VOL - Deficiency only alarm
ECO-D-B-32-Ex	Oxygen (O2) 0-25% VOL - Deficiency and enrichment alarm
ECO-D-B-41-Ex	Carbon Monoxide (CO) 0-500 PPM
ECO-D-B-42-Ex	Ammonia (NH3) 0-100 PPM
ECO-D-B-43-Ex	Hydrogen Sulfide (H2S) 0-100 PPM
ECO-D-B-44-Ex	Sulfur Dioxide (SO2) 0-10 PPM
ECO-D-B-45-Ex	Nitrogen Dioxide (NO2) 0-10 PPM
ECO-D-B-47-Ex	Chlorine (Cl2) 0-20 PPM
ECO-D-B-49-Ex	Carbon Dioxide (CO2) 0-5% VOL
Ordering Codes	Description (Dual Gas, Class 1 Division 2)
ECO-D-B-12-43-Ex	Methane (CH4) 0-100% LEL + Hydrogen Sulfide (H2S) 0-100 PPM
ECO-D-B-13-31-Ex	Propane (C3H8) 0-100% LEL + Oxygen 0-25% VOL
Approvals: <ul style="list-style-type: none"> • CE: Electrical Safety <ul style="list-style-type: none"> ◦ Conforms to ANSI/UL Std 61010-1 ◦ Certified to CAN/CSA Std C22.2 No. 61010-1 ◦ EN 61010-1 • EMC <ul style="list-style-type: none"> ◦ FCC 47CFR Part 15B class B ◦ ICES 003 ◦ EN 50270 • Others <ul style="list-style-type: none"> ◦ LCPB, VdS, AFNOR compatible for use with Xtralis EN54-20 approved ASD ◦ LOM approved to UNE 23300 (CO & CO+NO2) ◦ AQISQ – CMC Pattern Approval ◦ CCCF – CFE, GB:15322.1 ◦ VNIPO ◦ Hazardous area, ATEX, ANSI/ISA, CSA (pending) 	
Dimensions: 34 x 125 x 110 mm (1.3 x 4.9 x 4.4 in.)	
Weight: 250 g (0.6 pounds)	

VESDA ECO Ex Gas Detector



VESDA ECO Ex provides early warning of toxic, oxygen and flammable gas hazards to protect personnel and property whilst ensuring business continuity.

VESDA ECO Ex is approved for use within Class I Division 2 classified hazardous locations. It must be used with a similarly approved VESDA ASD and installed within the Class I Div 2 area.

Ordering Codes	Description
ECO-D-B-AA-Ex	Single Gas Unit *
ECO-B-AA-BB-Ex	Dual Gas Unit **

Approvals:

- **Electrical Safety**
 - Conforms to ANSI/UL Std 61010-1
 - Certified to CAN/CSA Std C22.2 No. 61010-1
 - EN 61010-1
- **EMC**
 - FCC 47CFR Part 15B class B
 - ICES 003
 - EN 50270
- **Hazardous Location:**
 - ETL approved to ISA12.12.01, CSA C22.2 No. 213
 - Class I Div 2 Groups ABC&D T4 -4°F ≤ Tamb ≤ +131°F

Dimensions: 155 x 135 x 74 mm (6.1 x 5.3 x 2.9 in.)

Weight: 1 kg (2.2 lb) detector and enclosure combined

Notes:

* Replace AA with the relevant gas type number.

** Replace AA and BB with the two number combination (12 – 43 Methane and Hydrogen Sulphide).

VESDA ECO Ex2 Gas Detector



VESDA ECO Ex provides early warning of toxic, oxygen and flammable gas hazards to protect personnel and property whilst ensuring business continuity.

VESDA ECO Ex is approved for use within Zone 2 classified hazardous locations. It must be used with a similarly approved VESDA ASD and installed within the Zone 2 area.

Ordering Codes	Description
ECO-D-B-AA-Ex2	Single Gas Unit *
ECO-B-AA-BB-Ex2	Dual Gas Unit **

Approvals:

- **Electrical Safety**
 - Conforms to ANSI/UL Std 61010-1
 - Certified to CAN/CSA Std C22.2 No. 61010-1
 - EN 61010-1
- **EMC**
 - FCC 47CFR Part 15B class B
 - ICES 003
 - EN 50270
- **Hazardous Location:**
 - ATEX
 - IEC (Pending)

Dimensions: 270 x 140 x 135 mm (10.6 x 5.5 x 5.3 in.)

Weight: 3 kg (6.6 lb) detector and enclosure combined

Notes:

* Replace AA with the relevant gas type number.

** Replace AA and BB with the two number combination (12 – 43 Methane and Hydrogen Sulphide).

VESDA/ICAM ECO Accessories List

Replacement Cartridges (Single Gas)

Ordering Code	Description
ECO-SC-11	Hydrogen (H ₂) 0-100% LEL
ECO-SC-12	Methane (CH ₄) 0-100% LEL
ECO-SC-13	Propane (C ₃ H ₈) 0-100% LEL
ECO-SC-14	Hydrogen (H ₂) 0-2000 ppm
ECO-SC-15	Petrol/Gasoline Vapor 0-100% LEL
ECO-SC-16	Pentane (C ₅ H ₁₂) 1-100% LEL
ECO-SC-19	Ammonia (NH ₃) 0-100% LEL
ECO-SC-20	Alcohol Vapor 0-100% LEL
ECO-SC-31	Oxygen (O ₂) 0-25% VOL
ECO-SC-32	Oxygen (O ₂) 0-25% VOL - Deficiency and enrichment alarm
ECO-SC-41	Carbon Monoxide (CO) 0-500 PPM
ECO-SC-42	Ammonia (NH ₃) 0-100 PPM
ECO-SC-43	Hydrogen Sulfide (H ₂ S) 0-100 PPM
ECO-SC-44	Sulfur Dioxide (SO ₂) 0-10 PPM
ECO-SC-45	Nitrogen Dioxide (NO ₂) 0-10 PPM
ECO-SC-47	Chlorine (Cl ₂) 0-20 PPM
ECO-SC-49	Carbon Dioxide (CO ₂) 0-5% VOL

Replacement Cartridges (Dual Gas)

Ordering Code	Description
ECO-SC-11-31	Hydrogen (H ₂) 0-100% LEL + Oxygen (O ₂) 0-25% VOL
ECO-SC-12-31	Methane (CH ₄) 0-100% LEL + Oxygen (O ₂) 0-25% VOL
ECO-SC-12-41	Methane (CH ₄) 0-100% LEL + Carbon Monoxide (CO) 0-500 PPM
ECO-SC-12-43	Methane (CH ₄) 0-100% LEL + Hydrogen Sulfide (H ₂ S) 0-100 PPM
ECO-SC-13-31	Propane (C ₃ H ₈) 0-100% LEL + Oxygen (O ₂) 0-25% VOL
ECO-SC-31-41	Oxygen (O ₂) 0-25% VOL + Carbon Monoxide (CO) 0-500 PPM
ECO-SC-41-43	Carbon Monoxide (CO) 0-500 PPM + Hydrogen Sulfide (H ₂ S) 0-100 PPM
ECO-SC-41-45	Carbon Monoxide (CO) 0-500 PPM + Nitrogen Dioxide (NO ₂) 0-10 PPM

Replacement Cartridges (Class 1, Division 2)







Ordering Code	Description
ECO-SC-11-Ex	Hydrogen (H ₂) 0-100% LEL
ECO-SC-12-Ex	Methane (CH ₄) 0-100% LEL
ECO-SC-13-Ex	Propane (C ₃ H ₈) 0-100% LEL
ECO-SC-14-Ex	Hydrogen (H ₂) 0-2000 PPM
ECO-SC-15-Ex	Petrol/Gasoline Vapor 0-100% LEL
ECO-SC-16-Ex	Pentane (C ₅ H ₁₂) 0-100% LEL
ECO-SC-19-Ex	Ammonia (NH ₃) 0-100% LEL
ECO-SC-20-Ex	Alcohol Vapor 0-100% LEL
ECO-SC-31-Ex	Oxygen (O ₂) 0-25% VOL - deficiency alarm only

Ordering Code	Description
ECO-SC-32-Ex	Oxygen (O2) 0-25% VOL - deficiency and enrichment alarm
ECO-SC-41-Ex	Carbon Monoxide (CO) 0-500 PPM
ECO-SC-42-Ex	Ammonia (NH3) 0-100 PPM
ECO-SC-43-Ex	Hydrogen Sulfide (H2S) 0-100 PPM
ECO-SC-44-Ex	Sulfur Dioxide (SO2) 0-10 PPM
ECO-SC-45-Ex	Nitrogen Dioxide (NO2) 0-10 PPM
ECO-SC-47-Ex	Chlorine (Cl2) 0-20 PPM
ECO-SC-49-Ex	Carbon Dioxide (CO2) 0-5% VOL


Replacement Cartridges (Dual Gas, Class 1 Division 2)

Ordering Code	Description
ECO-SC-12-43-Ex	Methane (CH4) 0-100% LEL + Hydrogen Sulfide (H2S) 0-100 PPM
ECO-SC-13-31-Ex	Propane (C3H8) 0-100% LEL + Oxygen (O2) 0-25% VOL

Replacement Parts and Adaptors

Product Image	Ordering Code	Description
	ECO-D-S-01	ECO detector with no sensor cartridge
	LF41333	Filter Cartridge Assembly
	ECO-FT15	ECO Adapters for VFT-15 and IFT-15, includes pipe clips
	LF41291	USB access port Rubber Bung
	LF41313	USB Connection Lead
	LF41301	Sensor Cartridge O-Ring
	LF41302	Filter Cartridge O-Ring
	LF41312	MicroSD Card

ECO Demonstration Equipment

Product Image	Ordering Code	Description
	VKT-601	<p>VESDA ECO Demonstration Kit (excludes test gas)</p> <ul style="list-style-type: none"> • 1 x VESDA VLF-250 • 1 x VESDA ECO (O2 and CO) • Sensor Part Number (ECO-D-B-31-41) • 110/220V power supply • Strobe and Fan with LED indicator • Pre-assembled cabling (including USB cable) • Sampling pipes (including elbow joint) • Xtralis VSC Software in CD • Carrying Case

Xtralis



How it works

The XAS systems actively draw air from the protected area through sampling holes in a pipe network. Sampled air is then filtered before being analyzed by conventional or analog point detectors incorporated in the systems. The XAS system is available with one inlet pipe (XAS-1) or two inlet pipes (XAS-2), and can be used with one or two detectors per system. A number of different points from a range of leading technology providers may be used.

The systems utilize a high performance aspirator and programmable flow monitoring circuitry. Air flow level is displayed on a ten element bar graph that can be adjusted for high and low flow thresholds, and flow failure is reported as a device fault via relays to the monitoring system.

Applications

- Where duct detectors are difficult to maintain and service;
- Where an aerial lift device must be used to service duct detectors; and
- Where unobtrusive smoke detection is required

Why use Xtralis Smoke Detection Solutions:

- Tamper-proof sampling points which deter vandalism
- Sampling pipe can be located behind vents, invisible to inmates
- The ability to locate sampling holes where smoke will travel and to position the detector in a location that has easy access for maintenance
- Remote monitoring and configuration of detectors improves control and cost of ownership in unmanned or secured areas

Xtralis Products List

Xtralis XAS



The Xtralis XAS Air-sampling Smoke Detection system provides a flexible detection solution to meet unique needs of challenging applications found in typical commercial and industrial sites. The XAS solution is well suited to installations where access to the monitored areas is restricted and provides unobtrusive detection. The ability to mount the device outside the protected area makes it ideal for use in applications such as correctional facilities, transformer vaults, cable tunnels, elevator machine rooms and HVAC ducts.

Ordering Codes	Description
XAS-1-US	Air-sampling Smoke Detector with 1 inlet with metal enclosure for the US
XAS-2-US	Air-sampling Smoke Detector with 2 inlets with metal enclosure for the US
Approvals: UL-268, UL-268A, ULC-529	
Dimensions: 259 x 321 x 166 mm (10.2 x 12.6 x 6.5 in.)	
Weight: 1.2 Kg (2.65 lbs)	
Area Coverage: 2,000 m ² (21,520 ft ²)	

Note: Point detectors are ordered from their manufacturer/supplier; while baffles are ordered separately from Xtralis depending on the point detector type.

Xtralis Class C (XCC)



The Xtralis Class C (XCC) detector is specifically designed to provide a convenient solution for meeting the requirements for a normal sensitivity EN 54-20 Class C aspirating smoke detector (ASD). The XCC detector is offered in two variants; XCC-010 can cover up to 800 m² and supports up to 12 holes, while XCC-011 can cover up to 1600 m² and supports up to 18 holes. Each hole is designed to meet EN 54-20 Class C requirements and can be used in place of normal point detection with total confidence.

Ordering Codes	Description
XCC-010	Xtralis XCC: 800 m ² coverage
XCC-011	Xtralis XCC: 1600 m ² coverage
XCC-011-AU	Xtralis XCC: 1600 m ² coverage
XCC-01000-MRN	Xtralis XCC: 800 m ² Marine Lloyds Register
Approvals: ActivFire, LPCB, VdS, CE - EMC and CPD, EN 54-20 (XCC-010 (Class C - 12 Holes / Threshold I), (XCC-011 (Class C - 18 Holes / Threshold I))	
Dimensions: 225 x 225 x 85 mm (8.9 x 8.9 x 3.3 in.)	
Weight: 1.9 kg (4.2 lb)	
Area Coverage: 1,600 m ² (17,220 ft ²)	

Xtralis Class C EX



The XCC-EX detector has been specifically designed to provide Class C aspirating smoke detection for the protection of hazardous applications with Zone 2 classification. The XCC-EX combines the well-proven Xtralis ASD detection technology with a modified aspirator design, and incorporates them into an IP54 rated stainless steel enclosure.

Ordering Codes

Description

XCC-010-EX

Xtralis Class C AtEx

Approvals: LPCB, CE, EN 54-20, ATEX, IECEx

Dimensions: 225 x 225 x 85 mm (8.9 x 8.9 x 3.3 in.)

Weight: 1.9 kg (4.2 lb)

Area Coverage: 800 m² (8,610 ft²)

Xtralis Accessories List

XAS Flex Tubing

Ordering Code	Description
LF-42246	50" flexible dual core tubing, provides two 50 foot long jacketed 1/2" I.D. flexible tubes for use with XAS units in duct sampling arrangements.
LF-42247	25" flexible dual core tubing, provides two 25 foot long jacketed 1/2" I.D. flexible tubes for use with XAS units in duct sampling arrangements.
LF-42249	50" flexible dual core tubing, provides two 25 foot long 1/2" I.D. flexible tubes for use with XAS units in duct sampling arrangements.
LF-42250	25" flexible dual core tubing, provides two 25 foot long 1/2" I.D. flexible tubes for use with XAS units in duct sampling arrangements.

XAS Sample & Exhaust Tubes - Single Zone Kits

Ordering Code	Description
LF-42285	18" - 2 hole sample and exhaust tube kit
LF-42286	36" - 3 hole sample and exhaust tube kit
LF-42287	60" - 4 hole sample and exhaust tube kit

XAS Sample & Exhaust Tubes - Dual Zone Kits

Ordering Code	Description
LF-42288	18" - 2 hole sample and exhaust tube kit
LF-42289	36" - 3 hole sample and exhaust tube kit
LF-42290	60" - 4 hole sample and exhaust tube kit

XAS Duct Kits

Ordering Code	Description
LF-42241	Single zone sampling kit, includes two tube mounting plates, compression fittings, adaptors, elbows and reducers for use with XAS-1-US inlet and exhaust tubes and flexible tubing.
LF-42243	Dual zone sampling kit, includes three tube mounting plates, compression fittings, adaptors, elbows and reducers for use with XAS-2-US inlet and exhaust tubes and flexible tubing.

XAS Miscellaneous


Ordering Code	Description
ISP-001	Filter element pack of 10 (Coarse) 20 ppi black
20-LA0015-03	Cover Removal Tool

Baffles

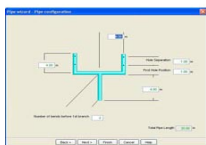
Ordering Code	Description
06-0000	Blanking baffle for replacement purposes. XAS-1-US unit is supplied with one blanking baffle in the right side mounting location (pack of 10)
06-AP10	Baffle for Apollo detector Discovery, S65 & XP95, GE Security detector DP 652, DP 951, DP 991 (pack of 10)
06-HK10	Baffle for Hochiki detector SLR-E3 & ALG-E (pack of 10)
06-SE10	Baffle for use with Siemens HFP-11 sensor (pack of 10)

Software

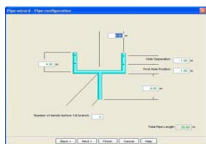
iVESDA

Software Image	Description
	<p>iVESDA is a downloadable application that can be installed on Android and iOS handheld devices and used to monitor and maintain VESDA-E systems with unprecedented ease. It is also compatible with existing VESDA detectors residing on the same VESDAnet as the VESDA-E devices.</p> <p>iVESDA provides detailed alarm, fault and other status information such as smoke trends, airflow, filter life, as well as viewing of important configuration parameters such as pipes in use and smoke alarm thresholds.</p> <p>Ordering Info: Downloadable from GooglePlay store and Apple store.</p>
Supported Products	<ul style="list-style-type: none"> • VESDA-E VEU • VESDA VLP • VESDA VLS • VESDA VLC • VESDA VLF • VESDA VLI

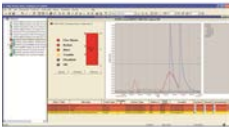
ASPIRE-E

Software Image	Description
	<p>Advanced Pipe Modelling Software which provides a new level of usability, introducing a series of features and functionality to improve performance prediction, encourage good design proactive and simplify (and speed up) the process of getting good results for the user.</p> <p>Ordering Code: VSW-202-E</p>
Supported Products	VESDA-E VEU


ASPIRE2

Software Image	Description		
	<p>ASPIRE2 is a Windows®-based application that aids the specification and design of pipe networks for VESDA and ICAM air sampling smoke detectors. It provides the designer with tools to speed the design process and ensure optimum network performance and installation quality.</p> <p>Ordering Info: ASPIRE2 is available for download from www.xtralis.com.</p>		
Supported Products	<table border="0"> <tr> <td style="vertical-align: top;"> VESDA <ul style="list-style-type: none"> • VESDA VLP • VESDA VLC V1 50m/150 ft • VESDA VLC V2 80 m/240 ft • VESDA VLF-250 • VESDA VLF-500 • VESDA VLI • VESDA VLP • VESDA VLS • VLW-800 </td><td style="vertical-align: top;"> ICAM <ul style="list-style-type: none"> • IFT-1 • IFT-4 • IFT-6 • IFT-P • ILS-1 - 1 Point • ILS-1 - 2 Points • ILS-2 - 2 points </td></tr> </table>	VESDA <ul style="list-style-type: none"> • VESDA VLP • VESDA VLC V1 50m/150 ft • VESDA VLC V2 80 m/240 ft • VESDA VLF-250 • VESDA VLF-500 • VESDA VLI • VESDA VLP • VESDA VLS • VLW-800 	ICAM <ul style="list-style-type: none"> • IFT-1 • IFT-4 • IFT-6 • IFT-P • ILS-1 - 1 Point • ILS-1 - 2 Points • ILS-2 - 2 points
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Xtralis VSC

Software Image	Description
	<p>Xtralis VSC configures, commissions and maintains a range of Xtralis fire and gas detection systems including VESDA and ICAM smoke and gas detectors and ancillary devices. Xtralis VSC can configure a single Xtralis device or your entire Xtralis system.</p> <p>Ordering Code: VSW-100</p>
Supported Products	<div> <div> <p>ECO</p> <ul style="list-style-type: none"> • ECO Detector • Sensor • Relay • Analog Output • Co ppm Sensor • NH3 ppm Sensor • O2 %. v/v Sensor • H2 %. LFL Sensor • H2S ppm Sensor • So2 ppm Sensor • No2 ppm Sensor • CH4 %. LFL Sensor • C3H8 %. LFL Sensor • H2 ppm Sensor • Cl2 ppm Sensor • Co2 %. v/v Sensor • C5H12 '%. LFL Sensor • O2 Dep/Enr %. v/v Sensor • Alcoh '%. LFL Sensor • Pet Vap '%. LFL Sensor • NH3 %. LFL Sensor <p>MODBUS</p> <ul style="list-style-type: none"> • IFT-1 • IFT-4 • IFT-6 • IFT-15 • IFT-P • Sector • IFT-15-C • VFT-15 • VFT-15-C • VLW-008 2.19.00 - 3.00.405 • ILS-1 • ILS-2 <p>VESDALink</p> <ul style="list-style-type: none"> • VESDA VLC LP Phase 1 • VESDA VLC Ro Phase 1 • VESDA VLC Simplex Phase 2 • VESDA VLC 800-MX Phase 2 • VESDA VLC ESSER Phase 2 • VESDA VLC AP Phase 2 </div> <div> <p>VESDAnet</p> <ul style="list-style-type: none"> • VESDA VLP • VESDA VLS • VESDA VLC • VESDA VLF • VESDA VLC • VESDA VLS • VESDA VFT-15 • VESDA VFT-Sector • VESDA VLI • VESDA VEU • Remote Relay • VESDA Display • System Relay Module • VLS Remote Relay • VLS Display • VESDA Programmer • VESDA Sliding Windows HLI • VESDA Stop-and-go HLI • VESDA Open protocol HLI • VESDA Sliding Windows HLI with Dial Out • Analog Output Module • VESDA ModBus HLI • VESDA Access HLI • VESDA MODBUS3 HLI <p>VESDAtalk</p> <ul style="list-style-type: none"> • VESDA VLF • VESDAnet Card • Multifunction 020 Control Card • Multifunction 030 Control Card <p>Xtralink</p> <ul style="list-style-type: none"> • XCC-010 • XCC-011 </div> </div>

Xtralis QSC




Software Image	Description
	<p>Xtralis QSC PC Software for programming the VESDA-E VLQ and ICAM ILQ.</p> <p>Ordering Info: Xtralis QSC is available for download from www.xtralis.com</p>
Supported Products	<ul style="list-style-type: none"> • VESDA-E VLQ • ICAM ILQ

Xtralis VSM4













Software Image	Description																																																																
	<p>Xtralis VSM4 provides full and comprehensive integration of your VESDA and ICAM smoke and gas detection systems.</p> <p>Note: To correctly specify (order) the Xtralis VSM4 product, the following must be taken into consideration for each particular Xtralis VSM4 application.</p> <ol style="list-style-type: none"> 1. What are the total number of Monitoring PC's. 1 Primary PC is the minimum. 2. Are there any Text to Speech requirements 3. What are the total number of VESDAnetsto be monitored 4. What are the total number of VESDA detectors on the VESDAnets to be monitored 5. What are the total number of "Direct Connect" VESDA detectors. <p>Ordering Info:Xtralis VSM4 is available for download from www.xtralis.com.</p>																																																																
	<table> <thead> <tr> <th>Ordering Code</th><th>Description</th></tr> </thead> <tbody> <tr><td>VSW-206</td><td>First PC License</td></tr> <tr><td>VSW-216</td><td>Additional PC License PC</td></tr> <tr><td>VSW-226</td><td>VSM Primary PC (upgrade from VSM3)</td></tr> <tr><td>VSW-346</td><td>VESDAnet network Connection</td></tr> <tr><td>VSW-356</td><td>VESDAnet Detector Connection per detector</td></tr> <tr><td>VSW-366</td><td>VESDAtalk / VESDALink Detector Connection</td></tr> <tr><td>VSW-427-001</td><td>Connection tokens lic (1-20)</td></tr> <tr><td>VSW-427-002</td><td>Connection tokens lic (21-100)</td></tr> <tr><td>VSW-427-003</td><td>Connection token lic (101-1000)</td></tr> <tr><td>VSW-427-004</td><td>Connection token lic (>1000)</td></tr> <tr><td>VSW-500</td><td>T2S - Eng-Aust (Karen)</td></tr> <tr><td>VSW-501</td><td>Text to Speech (Add voice message)</td></tr> <tr><td>VSW-502</td><td>Text to Speech - English</td></tr> <tr><td>VSW-503</td><td>Text to Speech- Chin-Cant (Sin-Ji)</td></tr> <tr><td>VSW-504</td><td>Text to Speech - Chin-Mand (Mei-Ling)</td></tr> <tr><td>VSW-505</td><td>Text to Speech - Fr-Fr (Virginie)</td></tr> <tr><td>VSW-506</td><td>Text to Speech - Ger-Ger (Steffi)</td></tr> <tr><td>VSW-507</td><td>Text to Speech - Kor-Kor (Narae)</td></tr> <tr><td>VSW-508</td><td>Text to Speech - Span-Cast (Isabel)</td></tr> <tr><td>VSW-509</td><td>Text to Speech - Ita-Ita (Sylvia)</td></tr> <tr><td>VSW-510</td><td>Text to Speech - Rus-Rus (Katerina)</td></tr> <tr><td>VSW-517</td><td>Text to Speech - English-American</td></tr> <tr><td>VSW-527</td><td>Text to Speech - English-British</td></tr> <tr><td>VSW-537</td><td>Text to Speech - Korean + English</td></tr> <tr><td>VSW-547</td><td>Text to Speech - Spanish + English</td></tr> <tr><td>VSW-557</td><td>Text to Speech - Mandarin + English</td></tr> <tr><td>VSW-600</td><td>Remote Notification - Email Support (Per PC)</td></tr> <tr><td>VSW-801</td><td>VESDA Analytics DustTrace License</td></tr> <tr><td>VSW-802</td><td>VESDA Analytics DieselTrace License</td></tr> <tr><td>VSW-803</td><td>VESDA Analytics WireTrace License</td></tr> <tr><td>VSW-356-ECO</td><td>VESDA ECO Detector network connection One required per monitored detector</td></tr> </tbody> </table>	Ordering Code	Description	VSW-206	First PC License	VSW-216	Additional PC License PC	VSW-226	VSM Primary PC (upgrade from VSM3)	VSW-346	VESDAnet network Connection	VSW-356	VESDAnet Detector Connection per detector	VSW-366	VESDAtalk / VESDALink Detector Connection	VSW-427-001	Connection tokens lic (1-20)	VSW-427-002	Connection tokens lic (21-100)	VSW-427-003	Connection token lic (101-1000)	VSW-427-004	Connection token lic (>1000)	VSW-500	T2S - Eng-Aust (Karen)	VSW-501	Text to Speech (Add voice message)	VSW-502	Text to Speech - English	VSW-503	Text to Speech- Chin-Cant (Sin-Ji)	VSW-504	Text to Speech - Chin-Mand (Mei-Ling)	VSW-505	Text to Speech - Fr-Fr (Virginie)	VSW-506	Text to Speech - Ger-Ger (Steffi)	VSW-507	Text to Speech - Kor-Kor (Narae)	VSW-508	Text to Speech - Span-Cast (Isabel)	VSW-509	Text to Speech - Ita-Ita (Sylvia)	VSW-510	Text to Speech - Rus-Rus (Katerina)	VSW-517	Text to Speech - English-American	VSW-527	Text to Speech - English-British	VSW-537	Text to Speech - Korean + English	VSW-547	Text to Speech - Spanish + English	VSW-557	Text to Speech - Mandarin + English	VSW-600	Remote Notification - Email Support (Per PC)	VSW-801	VESDA Analytics DustTrace License	VSW-802	VESDA Analytics DieselTrace License	VSW-803	VESDA Analytics WireTrace License	VSW-356-ECO	VESDA ECO Detector network connection One required per monitored detector
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VSW-356	VESDAnet Detector Connection per detector																																																																
VSW-366	VESDAtalk / VESDALink Detector Connection																																																																
VSW-427-001	Connection tokens lic (1-20)																																																																
VSW-427-002	Connection tokens lic (21-100)																																																																
VSW-427-003	Connection token lic (101-1000)																																																																
VSW-427-004	Connection token lic (>1000)																																																																
VSW-500	T2S - Eng-Aust (Karen)																																																																
VSW-501	Text to Speech (Add voice message)																																																																
VSW-502	Text to Speech - English																																																																
VSW-503	Text to Speech- Chin-Cant (Sin-Ji)																																																																
VSW-504	Text to Speech - Chin-Mand (Mei-Ling)																																																																
VSW-505	Text to Speech - Fr-Fr (Virginie)																																																																
VSW-506	Text to Speech - Ger-Ger (Steffi)																																																																
VSW-507	Text to Speech - Kor-Kor (Narae)																																																																
VSW-508	Text to Speech - Span-Cast (Isabel)																																																																
VSW-509	Text to Speech - Ita-Ita (Sylvia)																																																																
VSW-510	Text to Speech - Rus-Rus (Katerina)																																																																
VSW-517	Text to Speech - English-American																																																																
VSW-527	Text to Speech - English-British																																																																
VSW-537	Text to Speech - Korean + English																																																																
VSW-547	Text to Speech - Spanish + English																																																																
VSW-557	Text to Speech - Mandarin + English																																																																
VSW-600	Remote Notification - Email Support (Per PC)																																																																
VSW-801	VESDA Analytics DustTrace License																																																																
VSW-802	VESDA Analytics DieselTrace License																																																																
VSW-803	VESDA Analytics WireTrace License																																																																
VSW-356-ECO	VESDA ECO Detector network connection One required per monitored detector																																																																










Software Image	Description
Supported Products	<div> ECO <ul style="list-style-type: none"> • ECO Detector • Sensor • Relay • Analog Output • Co ppm Sensor • NH3 ppm Sensor • O2 %. v/v Sensor • H2 %. LFL Sensor • H2S ppm Sensor • So2 ppm Sensor • No2 ppm Sensor • CH4 %. LFL Sensor • C3H8 %. LFL Sensor • H2 ppm Sensor • Cl2 ppm Sensor • Co2 %. v/v Sensor • C5H12 ‘%. LFL Sensor • O2 Dep/Enr %. v/v Sensor • Alcoh ‘%. LFL Sensor • Pet Vap ‘%. LFL Sensor • NH3 %. LFL Sensor </div> <div> MODBUS <ul style="list-style-type: none"> • IFT-1 • IFT-4 • IFT-6 • IFT-15 • IFT-P • Sector • IFT-15-C • VFT-15 • VFT-15-C • VLW-008 2.19.00 - 3.00.405 • ILS-1 • ILS-2 </div> <div> VESDAlink <ul style="list-style-type: none"> • VESDA VLC LP Phase 1 • VESDA VLC Ro Phase 1 • VESDA VLC Simplex Phase 2 • VESDA VLC 800-MX Phase 2 • VESDA VLC ESSER Phase 2 • VESDA VLC AP Phase 2 </div> <div> VESDAnet <ul style="list-style-type: none"> • VESDA VLP • VESDA VLS • VESDA VLC • VESDA VLF • VESDA VLC • VESDA VLS • VESDA VFT-15 • VESDA VFT-Sector • VESDA VLI • VESDA VEU • Remote Relay • VESDA Display • System Relay Module • VLS Remote Relay • VLS Display • VESDA Programmer • VESDA Sliding Windows HLI • VESDA Stop-and-go HLI • VESDA Open protocol HLI • VESDA Sliding Windows HLI with Dial Out • Analog Output Module • VESDA ModBus HLI • VESDA Access HLI • VESDA MODBUS3 HLI </div> <div> VESDAtalk <ul style="list-style-type: none"> • VESDA VLF • VESDAnet Card • Multifunction 020 Control Card • Multifunction 030 Control Card </div> <div> Xtralink <ul style="list-style-type: none"> • XCC-010 • XCC-011 </div>











Pipes and Fittings

Product Image	Ordering Code	Country	Description
	PIP-001	EU	25 mm red ABS Sampling Pipe - 3 m length
	VP-P-210	US	VESDA CPVC pipe. Sold in box quantities of 210 linear feet.
	VP-P-420	US	VESDA CPVC pipe. Sold in box quantities of 420 linear feet.
	PIP-002	EU	25 mm Socket
	VP-COUP	US	Coupling, 3/4", Socket to Socket CPVC Couplings
	PIP-003	EU	25 mm Socket Union
	VP-UNION	US	Socket Union, 3/4" CPVC Union
	PIP-004	EU	25 mm to 3/4" Socket Adaptor
	PIP-005	EU	25 mm 90° Slow Radius Bend
	PIP-006	EU	25 mm 45° Elbow
	VP-ELB-45	US	Elbow - 45°, 3/4", Socket to Socket, 45°, CPVC Elbow
	PIP-007	EU	25 mm End Cap
	VP-EC	US	End Cap, 3/4" CPVC
	PIP-008	EU	25 mm Equal Tee
	VP-TEE	US	3/4" CPVC Pipe Tees
	PIP-009	EU	25 mm Pipe Clip
	VP-CLIP-US	US	3/4" pipe support clamp
	PIP-012	EU	250 ml Solvent Cement
	VP-CEMENT	US	Solvent Cement
	PIP-013		Pipe Ties

Product Image	Ordering Code	Country	Description
	PIP-014	EU	Pipe Cutters
	VP-CUTTERS	US	CPVC Pipe Cutters. cuts up to 1 1/2" pipe
	059-001		Flush Sampling Point Kit (c/w 2 m of 10 mm OD tube, trunk adaptor, point and decal)
	059-007		Conical Sampling Point Kit (c/w 2 m of 10 mm OD tube, trunk adaptor, point and decal)
	144-013	EU	Conical Sample Point Head only (for 10 mm OD tube)
	E700-SP	US	Miniature Sampling Point
	PIP-015		Flush Sample Point Head only (for 10 mm OD tube)
	PIP-016	EU	Trunk Adapter (for 10 mm OD tube)
	VP-TEE-FPT	US	Tee, 3/4" x 1/2" FPY (pack of 10)
	PIP-017	EU	25 mm red ABS 90° Elbow
	VP-ELB-90	US	3/4", Socket to Socket, 90°, CPVC Elbow
	PIP-018		25 mm red ABS Air Sampling Test Point
	PIP-019		25 mm Inline Expansion Socket 100 mm
	PIP-020		25 mm Intumescent 2hr Fire Collar
	02-WT-01		25 mm Red ABS Self Draining Water Trap

Product Image	Ordering Code	Country	Description
	PIP-021		25 mm flexible 1m long bend
	PIP-022		25 mm to 3/8BSP Female Air Line Adaptor
	PIP-023		25 mm 2 Way Ball Valve
	PIP-024		25 mm Large Check Valve (blow out valve)
	PIP-025		25 mm x 12" Condensation Valve Trap with Ball Valve
	PIP-026		25 mm Flexible Connector 30cm
	PIP-027		Air Sampling Test Point with Cap
	PIP-028		M6 Nut (for fitting clip to the end of threaded rod)
	PIP-029		M8 Nut (for fitting clip to the end of threaded rod)
	PIP-030		M6 Rod Adaptor (for fitting clip to side of rod)
	PIP-031		M8 Rod Adaptor (for fitting clip to side of rod)
	PIP-032		M6 Raw Plug Adaptor (for fixing clip to wall)




Product Image	Ordering Code	Country	Description
	PIP-033		25 mm Sight Glass with Condensation Drain
	PIP-034		25 mm/10mm Compression Adaptor
	PIP-035		25 mm/10mm Compression Adaptor Tee (for 2 capillary tubes)
	10-PKIT-15		Pipe Kits comprising of: <ul style="list-style-type: none"> • Red 25 mm ABS Pipe 3-m length (Pack of 5 x 1) • Red 25 mm ABS Plain Socket (Pack of 10 x 2) • Red 25 mm 90° Slow Radius Bends (Pack of 10 x 1) • Red 25 mm 45° Elbow (Pack of 10 x 1) • Red 25 mm ABS Plain End Cap (Pack of 10 x 1) • Red ABS Pipe Clips (Pack of 20 x 1) • ABS Solvent Cement 250ml (each x 1) • Wrap around sample point labels (Roll of 100 x 1)
	10-PKIT-30		Pipe Kits comprising of: <ul style="list-style-type: none"> • Red 25 mm ABS Pipe 3-m length (Pack of 10 x 1) • Red 25 mm ABS Plain Socket (Pack of 10 x 3) • Red 25 mm 90° Slow Radius Bends (Pack of 10 x 1) • Red 25 mm 45° Elbow (Pack of 10 x 1) • Red 25 mm ABS Plain End Cap (Pack of 10 x 1) • Red ABS Pipe Clips (Pack of 20 x 2) • ABS Solvent Cement 250ml (each x 1) • Wrap around sample point labels (Roll of 100 x 1)
	10-PKIT-60		Pipe Kits comprising of: <ul style="list-style-type: none"> • Red 25 mm ABS PIPE 3 MTR LENGTH (Pack of 20 x 1) • Red 25 mm ABS PLAIN SOCKET (Pack of 10 x 4) • Red 25 mm 90° Slow Radius Bends (Pack of 10 x 1) • Red 25 mm 45° Elbow (Pack of 10 x 1) • Red 25 mm ABS Plain End Cap (Pack of 10 x 1) • Red ABS Pipe Clips (Pack of 20 x 3) • ABS Solvent Cement 250ml (each x 1) • Wrap around sample point labels (Roll of 100 x 1)
	222-059		Discreet end cap for 10 mm OD tube (Clear)
	221-035	EU	10 mm OD Capillary Pipe (30m)
	02-2001-30	US	Microbore 6 mm Sampling Tube - 30 m Reel (100 ft)
	221-036		10 mm OD Natural Capillary Pipe

Product Image	Ordering Code	Country	Description
	128-014		Label - Sampling Point
	128-015		Label - Sampling Point Wrap Round
	128-046		Label - Smoke Detector Pipe
	VSP-860	EU	Refrigerated Storage Sampling Kit (c/w upper and lower VSP-860 fixing flange)
	VSP-860-US	US	Refrigerated Storage Sampling Kit - US
	VSP-870	EU	In-line Flow Restrictor Assembly
	VSP-870-US		In-line Flow Restrictor Assembly - US
	VSP-871		Flow Restrictor Disc (pack of 10)
	UL 1887 Listed "3/4 Inch Internal Diameter CPVC Piping, Listed to UL 1887 (which includes use in plenum rated areas) for use with all VESDA series Air Sampling Smoke Detectors"		
	E700-TUBE		Polyethylene tubing, black. 1/2" OD x 3/8" ID, FPE rated
	TUBING-250		Polyethylene tubing, black. 1/2" OD x 3/8" ID, FPE rated
	E700-CAP KIT		Plastic connector kit for miniature sampling point and capillary tube arrangement. Includes (1) Male connector, (1/2" thread x 1/2" OD Compression) and (1) Female Connector, (1/2" OD Compression)
	CAP-KIT		Brass connector kit for miniature sampling point and capillary tube arrangement. Includes (1) Male connector, (1/2" thread x 1/2" OD Compression) and (1) Female Connector, (1/2" OD Compression)
	E700-SP-DCL-PNT		Round style point labels, white
	E700-SPLR		Miniature sampling point label, round style, red

Product Image	Ordering Code	Country	Description
	E700-SPLG		Miniature sampling point label, round style, grey
	E700-SP-DCL-PIPE		Sampling pipe labels. Sold in roll quantity of 35.
	E700-SP-DCL		Sampling Point Decal, wrap around style (200 per roll). Place center area over sampling point and wrap decal around diameter of pipe.
	VSP-950		Test point pipe labels
	VSP-610		Tamper Proof Sampling Point Metric measurements
	VSP-610-US	US	Tamper Proof Sampling Point, 1" / 25 mm rigid or flexible conduit. Imperial measurements
	VSP-620-01		Tamper Proof Sampling Point, 6 mm capillary
	VSP-620-02		Tamper Proof Sampling Point, 8 mm capillary
	VT-Tube-500		1/4" UL Listed Flame Retardant microbore tubing for use with VFT-15 detector.
	VT-Tube-1000		1/4" UL Listed Flame Retardant microbore tubing for use with VFT-15 detector
	02-3000-06		Stainless Steel Sampling Point (6 mm)
	02-3000-08		Stainless Steel Sampling Point (8mm)
	02-2002-01P		Straight Union for microbore 1/4" (6mm) tube
	02-2003-01P		Tee Union for microbore 6 mm Tube (pack of 10)
	02-FL01-01		Scintered EOL Filter for Microbore 6 mm Tube
	E700-SRB-SH		Mounting Base for sprinkler sampling point. Sprinkler head to be bought separately from Tyco.

Test and Commissioning Tools

Xtralis Test Transformer VTT-10000 is a tool used to test very early warning aspirated smoke detection equipment. It is used with VESDA-E, VESDA and ICAM.

Product Image	Ordering Code	Country	Description
	VTT-10000-USA	US	VESDA Test Transformer (Wire Burner) Previously known as the Hot Wire Test. This power supply unit is used to test VESDA-E, VESDA and ICAM equipment. A timer is incorporated to provide a selectable burn period of up to 3 minutes.
	VTT-10000-AUS	Australia	
	VTT-10000-UK	UK	
	VTT-10000-EUR	EU	
	251-001		Smoke Test Wire
	251-003		Smoke Pellets

Analytics



VESDA Analytics Applications (Xapps) provide additional unique particle characterization capabilities that enable targeted detection and response.

Product Description

VESDA Analytics is made possible by the revolutionary VESDA-E Flair Detection Technology, which brings a number of key enhancements over the existing laser chamber:

- A shorter wavelength laser source that allows tighter focusing and hence better signal to noise ratio resulting in enhanced sensitivity, superior stability and minimum nuisance alarms.
- Direct imaging of particles using a CMOS camera allowing data regarding size, colour and shape to be derived.
- Additional data from several photodiodes that allow measurement of light scatter in more directions and polarisations.

Applications

- Food storage and processing facilities
- Storage facilities
- Warehouses and Cold Storage
- Clean manufacturing facilities
- Clean Rooms
- Loading bays
- Warehouses
- Telecommunications
- Data centers
- Cable and Telecommunications Tunnels
- Control Rooms
- Parking garages
- Bus depots
- Road tunnels

How to get the Analytics?

VESDA Analytics are applications that can be purchased and activated to work on VESDA-E detectors. These applications are referred to as Xapps; and when purchased they are received as redeemable tokens. Xtralis Xchange is used to redeem the received tokens, download the Xapp and apply the license.

Simple Process:

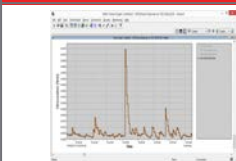
1. Purchase Xapp through normal channels and receive redeemable token
2. Use Xchange to redeem token, download Xapp & apply license
3. Start using immediately.

What are the available Xapps?

- **DustTrace™** provides targeted detection of dust which is present in the sampled air.
- **DieselTrace™** provides targeted detection of diesel engine exhaust particles that are abnormally present.
- **WireTrace™** provides targeted detection of particles from slowly overheating PVC insulated wires.

DustTrace

DustTrace Software Analytics



DustTrace is an optional software analytics that can be licensed for the VESDA-E series of aspirating smoke detectors. It provides targeted detection of dust which is present in the sampled air.

Ordering Codes	Description
VSW-801	DustTrace

DieselTrace

DieselTrace Software Analytics

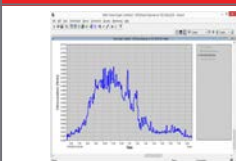


DieselTrace is an optional software analytics that can be licensed for the VESDA-E series of aspirating smoke detectors. It provides targeted detection of diesel engine exhaust particles in abnormal scenarios, such as when a diesel engine is not fitted with particle filters, or the particle filter fitted to a diesel engine malfunctions.

Ordering Codes	Description
VSW-802	DieselTrace

WireTrace

WireTrace Software Analytics



WireTrace is an optional software analytics that can be licensed for the VESDA-E series of aspirating smoke detectors. It provides targeted detection of particles released from slowly overheating PVC insulated wires. Detection of such particles will direct threat investigation to the primary source (i.e. electrical wires and/or cables), resulting in a faster response for ultimate asset protection and ensuring business continuity.

Ordering Codes	Description
VSW-803	WireTrace

VESDA-E Analytics Relay Module

Software Analytics



The VESDA-E Analytics Relay Module provides notification of an analytics event detected by a VESDA-E aspirating smoke detector with Analytics capability to third party devices, via relays. For example, the Analytics Relay Module outputs can be integrated with HVAC systems for environmental control.

Ordering Codes	Description
VRT-X00	VESDA-E Analytics Relay Module

Locations

Location	Contact Numbers	Location	Contact Numbers
Europe, Middle East and Africa (EMEA)			
Ireland Xtralis International Operating Headquarters 13 – 17 Dawson Street Dublin, Ireland	Phone: +35317650802	Hempstead, United Kingdom	Tel: +44 (0)1442 242 330 Fax: +44 (0)1442 249 327
Middle East Amman, Jordan	Tel: +962 6 5885622 Fax: +962 6 5885616	West Sussex, United Kingdom	Tel: +44 1903 266661 Fax: +44 1903 266671
Kiel, Germany	Tel.: +49 (0) 431 232 84 - 1 Fax: +49 (0) 431 232 84 - 400	Harelbeke, Belgium	Tel: +32 56 24 1951 Fax: +32 56 20 0529
Uznach, Switzerland	Tel: +41 55 285 99 99 Fax: +41 55 285 99 00	Hasselt, Belgium	Tel: +32 (0)11 27 94 50 Fax: +32 (0)11 27 58 32
Heppignies, Belgium	Tel: +32 (0)71 25 70 00 Fax: +32 (0)71 25 70 49	Brussels, Belgium	Tel: + 32 (0)2 240 93 70 Fax: + 32 (0)2 216 01 27
Americas			
Massachusetts, USA	Toll Free: 800 229 4434 Tel: (781) 616 1125 Fax: (781) 740 4433		
Asia and Pacific Regions (APAC)			
Xtralis, Melbourne	Tel: +61 (0) 3 9936 7000 Fax: +61 (0) 3 9936 7201	Sydney, Australia	Tel: +61 2 4684 3669 Fax: +61 2 4684 3669
Brisbane, Australia	Tel: +617 3246 5253 Fax: +617 3216 6599	Mumbai, India	Tel: +91 224 264 7770 Fax: +91 224 264 7775
Bangalore, India	Tel: +91 98866 43314	New Delhi, India	Tel: +91 97 1114 1416
Hong Kong	Tel: +852 2916 8876 Fax: +852 2916 8800	Shanghai, China	Tel: +86 21 5240 0077 Fax: +86 21 5238 2443
Wuhan, China	Tel: +86 27 8668 1621 Fax: +86 27 8668 1621	Beijing, China	Tel: +86 10 8225 0695 Fax: +86 10 8225 0716
Guangzhou, China	Tel: +86 20 8303 0526 Fax: +86 20 8303 0494	Seoul, South Korea	Tel: +82 10 9102 0914 Fax: +82 2 553 8832
Singapore	Tel: +65 6570 1864 Fax: +65 6570 1823	Taipei, Taiwan	Tel: +886 2 2657 1962 Fax: +886 2 2657 2094
South Africa	Tel: +27 8283 87768		

Technical Support

Product	Country	Address
VESDA	Americas	Tel: (781) 616 1195 support-vesda@xtralis.com
	Asia Pacific	Tel: +61 3 9936 7001 vesda-techsupport-apac@xtralis.com
	China	Tel: +86 21 5240 0077 x20 Mobile: +86 135 8581 8258 service.china@xtralis.com
	Europe, Middle East & Africa	Tel: +44 (0) 1442 242330 support.emea.fire@xtralis.com
ICAM	Europe, Middle East & Africa	Tel: +44 (0) 1442 242330 support.emea.fire@xtralis.com
Proactiv	Americas	Tel: (781) 616 1198 support-proactiv@xtralis.com
General Customer Service Inquiries	Americas	Tel: (781) 616 1192 customerservice@xtralis.com
Service Center for Returns/Repairs service	Americas	americas@xtralis.com
	Asia Pacific	service.apac@xtralis.com
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	Continental Europe	Fire Products service.emea.fire@xtralis.com Security Products service.emea.security@xtralis.com

About Xtralis

Xtralis® is the leading global provider of powerful solutions for the early detection and visual verification of fire, gas and security threats.

Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised. We protect high-value and irreplaceable assets belonging to the world's top governments and businesses. Our brands include the VESDA-E™ – the latest generation of aspirating smoke detection technology; VESDA® – the world's No.1 very early warning aspirating smoke detection (ASD) systems; ICAM™ for flexible ASD; ECO™ – Gas detection & environmental monitoring modules for VESDA & ICAM systems; OSID® – easy to use smoke detection for open areas; ADPRO® & ADPRO-E™ – advanced, intelligent access, perimeter & intrusion detection solutions for multi-site & enterprise security; HeiTel™ – digital video remote monitoring; and, ASIM® – intelligent traffic detection.

Learn more: www.xtralis.com



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