



# VESDA VFT

Addressable,  
high sensitivity  
early warning  
aspirating  
smoke detectors

## Very early warning with pinpoint addressability

The VESDA VFT series by Xtralis are high sensitivity aspirating smoke detectors that pinpoint the source of an incipient smoke incident, speeding response, enhancing investigation and minimizing business disruption and downtime.

The VFT detectors are unique in their ability to pinpoint the source of an incipient smoke incident and locate the event, therefore minimizing investigation and downtime. These advanced detectors provide intelligent addressability to identify up to 15 protected areas, via microbore air sampling tubes with an unparalleled sensitivity ranging from 0.001%% to 20% obs/m (0.0003% to 6.1% obs/ft).

### The Unique Features of VESDA VFT

- 6 mm (0.25 in) microbore air sampling
- 15 x 50 m (164 ft) microbore sampling pipe
- High sensitivity - 0.001%% to 20% obs/m (0.0003% to 6.1% obs/ft)
- 4 Alarms - Alert, Action, Fire 1, Fire 2
- Powerful suction rotary vane vacuum pump – 0.7 Bar with sensitive airflow monitor
- Large, clear display panel
- TCP/IP Ethernet interface
- RS232 and RS485 MODBUS
- 5 relay outputs as standard



VESDA VFT by Xtralis

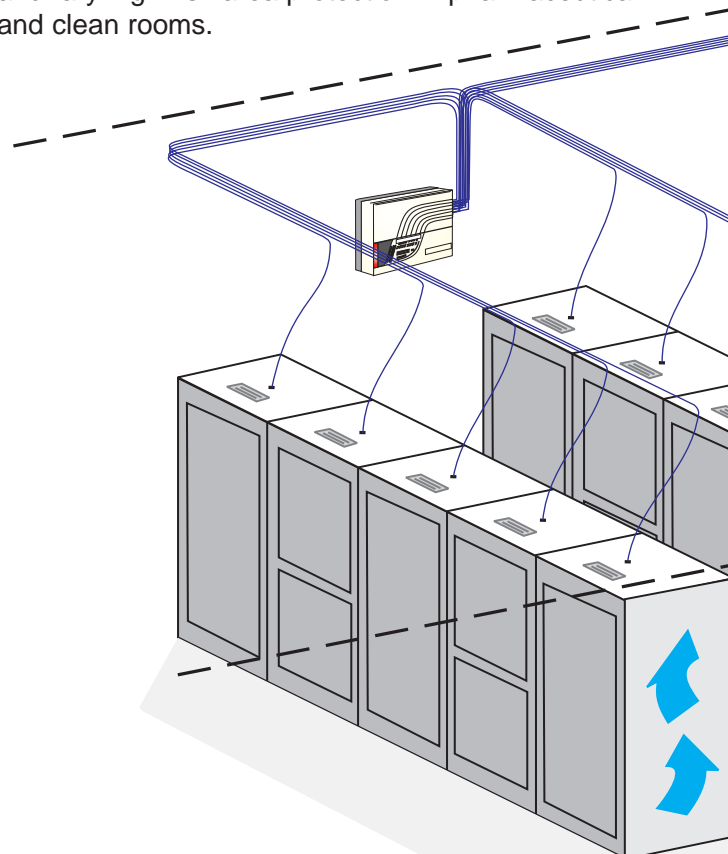
### How It Works

The VESDA VFT detector is a 15 channel microbore air sampling system with the ability to identify the location of an incident within a large area split into 15 sectors. Air is drawn from the protected area through this network of microbore flexible tubing (6 mm or 0.25 in). In the event that smoke particles are detected a TRACE alarm will be raised and the system will identify the sector, or sectors, with the smoke condition.

### Typical Applications

The VESDA VFT range is ideally suited for a wide range of applications including:

- computer and server rooms, where a specific enclosed server cabinet can be identified and singled out for investigation
- switchgear cabinets, clean rooms and research facilities
- prison and correctional institutions for compartmentalized, tamper-proof smoke detection
- exclusive homes, apartments, hotels, shops and office blocks where high performance but discrete smoke detection is required.
- ancillary high risk area protection in pharmaceutical and clean rooms.



## Complementary to Existing VESDA Range

The VFT series are complementary to the existing VESDA range and provide high sensitivity detection with pinpoint addressability at a more compelling price than multiple VLS units with single hole pipes.

There are 2 VFT models to suit different sensitivity requirements.

- VFT-15 (0.001% to 20% obs/m or 0.0003% to 6.10% obs/ft)
- VFT-15-C (1 to 20% obs/m or 0.3 to 6.10% obs/ft)

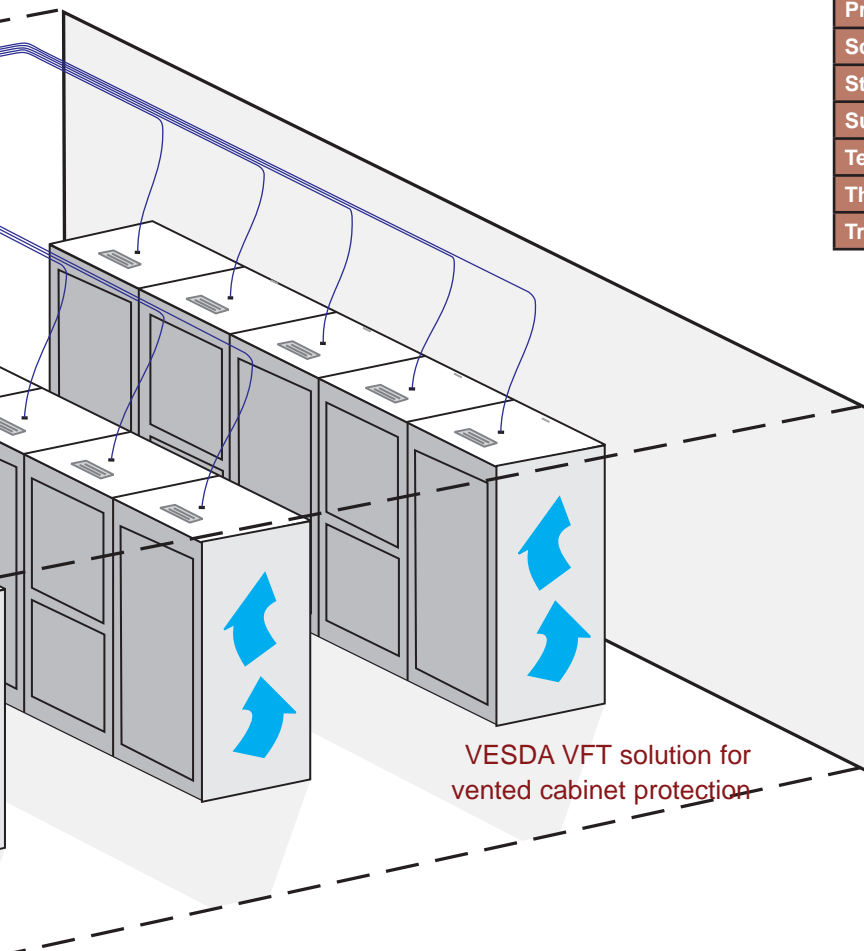
VFT-15-C is ideally suited for applications that require pin-point addressability but not high sensitivity detection.

Note: VFT-15-C may not be available in certain regions eg. Americas; please check with an Xtralis office before you order.

## Choice of VESDA Detectors:

The following table identifies the suggested VESDA detector for different environments. Actual site conditions and pipe network design will determine the final choice of the detector.

Environment	VLP	VLS	VLC	VLF	VFT
Aircraft Hangars	x	x			
Atria	x				
Auditorium	x				
Cable Tunnels/Trays	x	x	x		
Casinos	x	x			
Clean Rooms	x	x	x	x	x
Cold Rooms	x		x		
Computer Rooms	x	x	x	x	x
Control Rooms	x	x	x	x	x
Dormitories	x	x	x		
EDP Environments	x	x	x	x	x
Elect/Switching Cabinets			x	x	x
Equipment Cabinets			x	x	x
Historical Buildings	x	x	x	x	x
Hospitals	x	x	x	x	x
Hotels	x	x	x	x	x
Laboratories	x	x	x	x	x
Libraries/Archival Storage	x	x	x	x	
Manufacturing Facilities	x		x		
Museums/Art Galleries	x	x			x
Offices	x	x		x	x
Prison cells		x	x	x	x
Schools	x	x			
Storage Areas	x	x		x	
Substations			x	x	x
Telecommunications	x	x	x	x	x
Theaters	x	x			
Transportation	x	x		x	



# Learn more about how Xtralis can help you

## VESDA Buys Time

VESDA buys time. Time to respond to a fire threat, minimizing damage and business downtime. VESDA systems are highly sensitive, have a wide sensitivity range and can be strategically positioned where smoke will travel. This enables the very early detection of smoke, and in the unlikely event that a fire cannot be controlled, a VESDA detector can be used to actuate suppression systems.

## Safety and Reliable Protection of Your Investments

Unlike traditional point-type detectors, VESDA systems actively draw air samples to a central detector, they monitor airflow, and protect their optics. This ensures that air is reliably and actively sampled for smoke and that the optics are protected from contamination, thereby, reducing nuisance alarms and maintaining the sensitivity of the detector over time.

## VESDA Systems Comply with Local Fire Codes and Standards

- NFPA 75 - Standard for the protection of computer EDP/ Clean Agents.
- NFPA 76 - Standard for the fire protection of telecommunication facilities.
- TIA - 942 - Telecommunications infrastructure standard for data centers.
- FFIEC - The U.S. Federal Financial Institutions Examination Council recommendations.
- BS6266 - 2002 - Code of practice for fire protection for electronic equipment installations.
- FIA - Fire Industry Association Code of Practice for Design, Installation, Commissioning and Maintenance of Aspirating Smoke Detector (ASD) Systems.

## Approvals

VdS

FM

UL

CE - EMC, LVD and CPD

EN54-20

- Class A (0.1% obs/m)
- Class B (0.1% obs/m)
- Class C (1.0% obs/m)

Other major Agency Approvals pending.

Call the Xtralis office closest to you to access Xtralis Product Guides and other information.

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

**The Americas** +1 781 740 2223 **Asia** +852 2916 8894 **Australia and New Zealand** +61 3 9936 7000  
**Continental Europe** +32 56 24 19 51 **UK and the Middle East** +44 1442 242 330

The contents of this document are provided on an "as is" basis. No representation or warranty (either express or implied) is made as to the completeness, accuracy or reliability of the contents of this document. The manufacturer reserves the right to change designs or specifications without obligation and without further notice. Except as otherwise provided, all warranties, express or implied, including without limitation any implied warranties of merchantability and fitness for a particular purpose are expressly excluded.

This document includes registered and unregistered trademarks. All trademarks displayed are the trademarks of their respective owners. Your use of this document does not constitute or create a licence or any other right to use the name and/or trademark and/or label.

This document is subject to copyright owned by Xtralis AG ("Xtralis"). You agree not to copy, communicate to the public, adapt, distribute, transfer, sell, modify or publish any contents of this document without the express prior written consent of Xtralis.

