

VESDA® VEA

VESDA-E VEA

New Approach for
Point Addressable Smoke Detection



 **xtralis®**

www.xtralis.com/vea

VESDA[®]



Fully Supervised. Centralized Test and Maintenance.
Simplified Installation.



VEA VESDA Everywhere Point Addressable Aspirating Smoke Detector

VESDA-E VEA introduces a new approach for point addressable smoke detection. VEA provides pinpoint addressability by using a network of microbore tubes connected to sample points located in the protected area. VEA actively draws air through sample points and analyses for presence of smoke particles in a centrally located smoke sensor module. VEA provides assured detection through active sampling and end to end system integrity monitoring. VEA also provides flexible and fast installation utilizing easy to install flexible microbore tubes and push-fit connectors, which reduce installation time and cost. VEA detector supports 40 sampling points, all managed from a central location. Its fully supervised microbore tubes and sampling points ensure total system availability. Centralized Test and maintenance in readily accessible location reduces service time by up to 90% allowing servicing of up

to 500 addresses a day lowering total cost of ownership by up to 60%. VEA remote maintenance is ideally suited in applications where interruption free business operation and restricted access are of paramount importance. With best in class connectivity including WAN and Wireless iVESDA application provides real time and remote access for efficient and effective response.

VESDA-E VEA delivers better value where...

- Spot detectors are **difficult to reach**
- **Access** to the protected area is **restricted**
- **Disruption** of occupants is **undesirable**
- Installation and maintenance **costs** are **high**
- **Electrical codes** are **stringent and conduits** are **mandatory**
- **False alarms** are extremely **costly**
- There is **high density of spot** detectors

VESDA[®]



1 Assured Detection

Active sampling and full supervision of microbore tubes and sampling points including automated cleaning ensure total system availability and minimum false alarms.



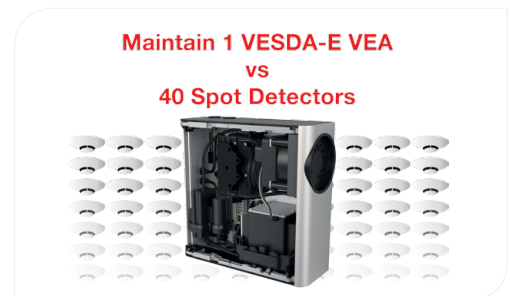
2 Flexible and Fast Installation

Flexible microbore tubes are easy to install with push-fit connections and passive sampling points hence no compliance requirements to electrical codes. Unique tube serial numbers and tube length markings allow pre-engineered and faster installation.



3 Reduced Maintenance and TCO

Centralized test and maintenance feature in VEA reduces service time by up to 90% and saves up to 60% in TCO. Full supervision allows centralized smoke test allowing servicing of up to 500 address a day. Field replaceable components reduces service and maintenance time and cost.



4 Interruption Free Operation

VEA remote maintenance testing is ideally suited to applications where interruption free business operation and restricted access are of paramount importance, such as in healthcare, government buildings, businesses with highly confidential assets, prison and hotels.



5 Efficient and Effective Response

VEA provides best in class connectivity including WAN and Wireless. iVESDA application provides real time and remote access to VEA allowing advance service preparation saving time and money and avoiding multiples service visits.











VEA Product Features

- Pinpoint addressability with end-to-end system integrity monitoring
- 40 addressable microbore tubes with individual sampling points
- Three levels of sensitivity settings for the sampling points
- Sampling point and tube blockage detection
- Automatic tube breakage and sampling point presence detection at set intervals
- Sampling point cleaning at set intervals
- Centralised testing and maintenance
- Variable length microbore tubes, up to 100 m (328 ft)
- Laser-based absolute smoke detection
- Seven programmable relays
- 3.5" colour touch screen for status review
- Two GPIs, monitored and unmonitored
- Xtralis VSC and VSM4 PC software support
- iVESDA app for mobile devices
- IP 40 enclosure
- Field replaceable smoke sensor module, pump, valve and filter
- Networking options includes: VESDAnet networking, Ethernet and WiFi
- Local host-mode USB port
- Event Log (20,000 events)

Parameter	VESDA-E VEA
Sampling Point Sensitivity	High: 1.6%/m (0.5%/ft) Enhanced: 4.0%/m (1.3%/ft) Standard: 8.0%/m (2.5%/ft)
Area Coverage	3,345 m ² (36,005 sq. ft) across 40 sampling holes*
Number of Tubes	40 microbore tubes
Linear Tube Length	40 x 100 m (328 ft)
Flow Sensing	Per tube flow sensing with rotary valve scanning
Addressability	✓
VESDAnet	✓
iVESDA Support	✓
Relays	7 (expandable up to 47)
IP Rating	IP 40
Field Replaceable Components	✓
WiFi, Ethernet, USB	✓

* Subject to local codes and regulation requirements

VEA Ordering Information

VEA-040-A00	VESDA-E VEA-40 Detector with LEDs	
VEA-040-A10	VESDA-E VEA-40 Detector with 3.5" Display	
VER-A40-40-STX	VESDA-E VEA 40-Relay Local StaX	
VPS-VEA-115UL	VESDA-E VEA Power Supply StaX (120UL)	
VPS-VEA-230UL	VESDA-E VEA Power Supply StaX (220UL)	
VSP-980-W	VESDA-E VEA 6 mm Standard Sampling Point	
VSP-981-W	VESDA-E VEA 4 mm Standard Sampling Point	
VSP-980-B	VESDA-E VEA 6mm Black Sampling Point	
VSP-981-B	VESDA-E VEA 4 mm Black Sampling Point	
VSP-982-W	VESDA-E VEA 6 mm Surface Mount Sampling Point	
VSP-983-W	VESDA-E VEA 4 mm Surface Mount Sampling Point	
VSP-982-B	VESDA-E VEA 6 mm Surface Mount Black Sampling Point	
VSP-983-B	VESDA-E VEA 4 mm Surface Mount Black Sampling Point	
VSP-990	VESDA-E VEA 6 mm Microbore Tube UL-compliant Plenumrated, 1000 ft	 <p>SPOOL 0001 0102 FEET ULM-V2 COMPLIANT WITH UL1820 NFP800A FOR PLENUM USE XTRALIS PART NO VSP-990</p>
VSP-991	VESDA-E VEA 4 mm Microbore Tube UL-compliant Plenumrated, 500 ft	

About Xtralis

Xtralis® is the leading global provider of converged solutions for the early detection and remote visual verification of fire, gas and perimeter 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 next generation of aspirating smoke detection technology; VESDA™ – the world's leading very early warning aspirating smoke detection (ASD) systems; ICAM™ for flexible ASD; ECO™ – Gas detection & environmental monitoring modules for VESDA & ICAM systems; and, OSID™ – easy to use smoke detection for open areas.

To learn more, please visit us at www.xtralis.com.

For a full list of part numbers, refer to Xtralis Life Safety Product Catalog, Doc. 27787

Learn more: www.xtralis.com/vea

www.xtralis.com

UK and Europe +44 1442 242 330 The Americas +1 800 229 4434

Middle East +962 6 588 5622 Asia +86 21 5240 0077

Australia and New Zealand +61 3 9936 7000

Doc. 29288_05

