

## VESDA-E VEA

# POINT ADDRESSABLE SMOKE DETECTION



## VESDA-E VEA 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

# SOLUTIONS

## Assured Detection

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



## 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.



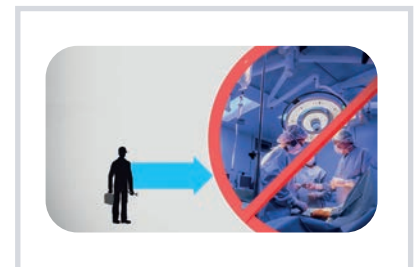
## Reduced Maintenance and TCO

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.



## 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.



## 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.












# PRODUCT FEATURES

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

- 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)

\* Subject to local codes and regulation requirements

# ORDERING INFORMATION

Ordering Code	Description	Product Image
<b>VEA-040-A00</b>	VESDA-E VEA-40 Detector with LEDs	
<b>VEA-040-A10</b>	VESDA-E VEA-40 Detector with 3.5" Display	
<b>VER-A40-40-STX</b>	VESDA-E VEA 40-Relay Local StaX	
<b>VPS-VEA-115UL</b>	VESDA-E VEA Power Supply StaX (120UL)	
<b>VPS-VEA-230UL</b>	VESDA-E VEA Power Supply StaX (220UL)	
<b>VSP-980-W</b>	VESDA-E VEA 6 mm Standard Sampling Point	
<b>VSP-981-W</b>	VESDA-E VEA 4 mm Standard Sampling Point	
<b>VSP-980-B</b>	VESDA-E VEA 6mm Black Sampling Point	
<b>VSP-981-B</b>	VESDA-E VEA 4 mm Black Sampling Point	
<b>VSP-982-W</b>	VESDA-E VEA 6 mm Surface Mount Sampling Point	
<b>VSP-983-W</b>	VESDA-E VEA 4 mm Surface Mount Sampling Point	
<b>VSP-982-B</b>	VESDA-E VEA 6 mm Surface Mount Black Sampling Point	
<b>VSP-983-B</b>	VESDA-E VEA 4 mm Surface Mount Black Sampling Point	
<b>VSP-990-330</b>	VESDA-E VEA 6mm Microbore Tube UL-compliant Plenum-rated, 330ft	
<b>VSP-991</b>	VESDA-E VEA 4 mm Microbore Tube UL-compliant Plenum-rated, 500 ft	

## ABOUT XTRALIS

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Xtralis is a leading global provider of powerful solutions for the very early and reliable detection of smoke, fire, and gas threats. Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised.

We protect highly valued assets and infrastructure belonging to the world's top governments and businesses.

**To learn more, please visit us at [www.xtralis.com](http://www.xtralis.com)**