

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 (TCO) by up to 60%.

VEA remote maintenance is ideally suited in applications where interruption free business operation and restricted access are of paramount importance.

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.

Maintain 1 VESDA-E VEA
vs
40 Spot Detectors



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.



PRODUCT FEATURES

Parameter	VESDA-E VEA
Sampling Point Sensitivity	High: 1.6% obs/m (0.5% obs/ft) Enhanced: 4.0% obs/m (1.23% obs/ft) Standard: 8.0% obs/m (2.5% obs/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	✓
Relays	7 (expandable up to 47)
IP Rating	IP 40
Field Replaceable Components	✓
Ethernet, USB	✓

* Subject to local codes and regulation requirements

- Pinpoint addressability
- 40 addressable microbore tubes with individual sampling points
- Assured detection with end to end system integrity monitoring
- Interruption-free business operation with centralised testing and maintenance
- Single sampling point or single tube blockage detection at set intervals
- Automatic sampling point presence and tube breakage detection at set intervals
- Automatic sampling point cleaning at set intervals
- Three sensitivity settings for the sampling points
- Variable length capillary tubes, up to 100 m (328 ft)
- Laser-based absolute smoke detection
- Coarse particle filtering and clean air barrier for optics protection
- Reliable linear pump technology
- LEDs for alarm and fault signalling
- 3.5" colour touch screen for status review
- Seven programmable relays
- Two GPIs, monitored and unmonitored
- Xtralis VSC and VSM4 PC software support
- IP 40 enclosure (not UL tested)
- Easy mounting with steel support bracket
- Field replaceable filter, smoke sensor module, pump and rotary valve
- VESDAnet networking
- Ethernet 100BASE-T
- Local host-mode USB port
- Easy cable termination access
- Event Log (20,000 events)

ORDERING INFORMATION

Ordering Code	Description	Product Image
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-970	VESDA-E VEA-40 Mounting Bracket	
VSP-971	VESDA-E VEA-40 Smoke Sensor Module	
VSP-972	VESDA-E VEA Filter (single cartridge)	
VSP-973	VESDA-E VEA Pump	
VSP-974	VESDA-E VEA Rotary Valve	
VSP-975	VESDA-E VEA LED Front Panel	
VSP-976	VESDA-E VEA 3.5" Display Front Panel	
VSP-977	VESDA-E VEA Filter (Pack of 10)	
VSP-978	VESDA-E VEA Sample Point Head Removal Key	
VSP-979	VESDA-E VEA Microbore Tube Cutter	
VSP-980-ST	VESDA-E VEA Stainless Steel Sample Point	
VSP-1007	VESDA-E VEA VSP-980-ST Sample Point Installation Tool (Pack of 5)	
VSP-1008	VESDA-E VEA VSP-980-ST Sample Point Duct Kit	
VSP-980-W	VESDA-E VEA 6 mm Standard Sampling Point	
VSP-980-W22	VESDA-E VEA 6mm Standard Sampling Point (Pack of 22)	
VSP-981-W	VESDA-E VEA 4 mm Standard Sampling Point	
VSP-981-W22	VESDA-E VEA 4mm Standard Sampling Point (pack of 22)	
VSP-980-B	VESDA-E VEA 6mm Black Sampling Point	
VSP-980-B22	VESDA-E VEA 6mm Black Sampling Point (pack of 22)	
VSP-981-B	VESDA-E VEA 4 mm Black Sampling Point	
VSP-981-B22	VESDA-E VEA 4mm Black Sampling Point (pack of 22)	
VSP-982-W	VESDA-E VEA 6 mm Surface Mount Sampling Point	
VSP-982-W22	VESDA-E VEA 6mm Surface Mount Sampling Point (pack of 22)	
VSP-983-W	VESDA-E VEA 4 mm Surface Mount Sampling Point	
VSP-983-W22	VESDA-E VEA 4mm Surface Mount Sampling Point (pack of 22)	

ORDERING INFORMATION

Ordering Code	Description	Product Image
VSP-982-B	VESDA-E VEA 6 mm Surface Mount Black Sampling Point	
VSP-982-B22	VESDA-E VEA 6mm Surface Mount Black Sampling Point (pack of 22)	
VSP-983-B	VESDA-E VEA 4 mm Surface Mount Black Sampling Point	
VSP-983-B22	VESDA-E VEA 4mm Surface Mount Black Sampling Point (pack of 22)	
VSP-990-NYLON-BLK	VESDA-E VEA 6mm Microbore Nylon Black Tube (Roll of 100m)	
VSP-998	VESDA-E VEA 6mm Blanking Plug (pack of 50)	
VSP-1000	VESDA-E VEA 6mm to 4mm Reducer (pack of 10)	
VSP-1001	VESDA-E VEA 6mm to 6mm Straight Union (pack of 10)	
VSP-1002	VESDA-E VEA 4mm to 4mm Straight Union (pack of 10)	
VSP-1003	VESDA-E VEA 6mm to 6mm Right Angle Joiner (pack of 10)	
VSP-1004	VESDA-E VEA 4mm to 4mm Right Angle Joiner (pack of 10)	
VSP-1005	VESDA-E VEA 4mm to 6mm SPL PT Tube Converter	
VSP-1006	VESDA-E VEA Volumetric Chamber	

ABOUT XTRALIS



Xtralis is a leading global provider of powerful solutions for very early & 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 valuable and irreplaceable assets and infrastructure belonging to the world's top governments and businesses.

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