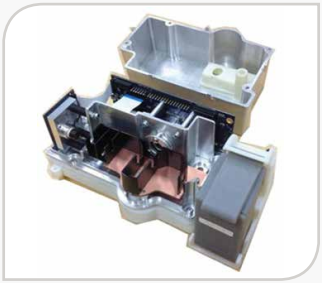
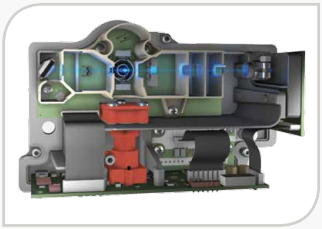
VESDA® E™

SMOKE+

A new benchmark for detection performance, detection reliability, consistent performance over time and efficiency of operation



- Detection Performance
  - Vastly better sensitivity
  - Faster response time
- Detection Reliability
  - Minimizing nuisance alarms
  - Unsurpassed detection stability under temperature
- Consistent Performance Over Time
  - Long term exposure to smoke
  - Long term exposure to dust
- Efficiency of Operation
  - Power consumption per unit area



FLEX

Future Proof expandability for maximum flexibility across a wide variety of applications

PSU StaX

- Power supply providing operating power including battery backup for VESDA-E detectors

Auto Pipe Clean StaX

- Automated Pipe Cleaning StaX improves performance and minimizes maintenance costs in dusty environments

SECTOR ADDRESSABILITY

Sector (pipe) addressability coupled with the Flair technology provides the best in VEW more cost-effectively than than the standard "4 detector" approach

Sector (Pipe) Addressability:

- Enables a single fire zone to be divided into four (4) separate areas
- Allows users to locate the source of smoke more quickly due to smaller search area
- Provides real time detection by Sector to monitor fire growth
- Provides four individually configurable alarm levels (Alert, Action, Fire 1 and Fire 2) for each Sector allowing flexible application in different environments
- More cost effective than "4 detectors" for both installation and maintenance

PINPOINT ADDRESSABILITY

Pinpoint tube addressability provides situational awareness to improve response time, efficiency and effectiveness

Pinpoint Addressability:

- VESDA-E pinpoint addressability with flexible tubing (up to 40 holes)
- VESDA-E VEA is a multichannel addressable system which is able to divide a protected space into sampling locations, enabling the localization of a fire for faster incident response

VESDA-E VEA

- Fully supervised assured detection with self-monitoring and auto cleaning options
- Immediate, effective and efficient response minimizing downtime
- Interruption free operation and maintenance allows uninterrupted and secure business operation
- Reduces service time by up to 90% due to automatic and centralised maintenance
- Removes requirements of electrical codes with benign tubes / pipes usage

CONNECT

Flexible networking and programming capabilities that reduce maintenance and monitoring costs through extensive connectivity options and remote diagnostics

- Ethernet enables connectivity with Xtralis VSC & VSM4

- WiFi enables connectivity with hand-held Android & iOS devices

- USB port allows direct PC connection as well as firmware upgrade

- VESDAnet supports up to 200 VESDA-E devices on a single loop
- VESDA-E detectors provide up to 12 relays

TOTAL COST OF OWNERSHIP (TCO)

VESDA-E provides lifetime of value, reliability, and protection – with VESDA-E you can reduce the Total Cost of Ownership

- Delivering greater Capex value with higher sensitivity and longer pipe runs to reduce the total installation cost
- Reduces Opex with longer pipe runs enabling convenient mounting, and field replaceable parts
- Plug & Play installation improves the installation experience and reduces installation cost
- Design-less pipe networks eliminate design for simple networks and provide direct time and cost saving
- Backwards compatibility
  - Same footprint, pipe conduit pitch and relays order as VLP/VLS
  - Acts as a gateway into existing VESDAnet
- Vast monitoring options
  - VSM4
  - iVESDA
  - Remotes

VESDA® E™

PRODUCT COMPARISON

Parameter	VESDA-E VEU	VESDA-E VEP	VESDA-E VES	VESDA-E VEP-1	VESDA-E VEA
					
Fire 1 Lowest Threshold	0.001%/m (0.0003%/ft)	0.01%/m (0.0031%/ft)	0.01%/m (0.0031%/ft)	0.01%/m (0.0031%/ft)	Sampling hole sensitivity 1.6%/m (0.5%/ft)
Detection Range	0.001 - 20.0% obs/m (0.0003 - 6.25% obs/ft)	0.005 - 20% obs/m (0.0016% - 6.25% obs/ft)	0.005 - 20% obs/m (0.0016% - 6.25% obs/ft)	0.005 - 20% obs/m (0.0016% - 6.25% obs/ft)	0.020 - 16% obs/m (0.006 - 4.88% obs/ft)
EN54-20 Max. no of Holes (Class A / B / C)	80 / 80 / 100	40 / 80 / 100	40 / 80 / 100	30 / 40 / 45	40
Pipe Length (Linear)	400 m (1,312 ft)	280 m (919 ft)	280 m (919 ft)	100 m (328 ft)	40 x 100 m (40 x 328 ft)
Pipe Length (Branched)	800 m (2,624 ft)	560 m (1,837 ft)	560 m (1,837ft)	130 m (427 ft)	NA
Flow Sensing	Ultrasonics	Ultrasonics	Ultrasonics	Ultrasonics	Pressure Transducer and Thermistor
Flow Thresholds	Per Pipe	Per Pipe	Per Pipe	Per Pipe	Per System
StaX Support	Yes	Yes	Yes	Yes	Yes
Addressability	No	No	4 Sectors (pipes)	No	Up to 40 sampling holes
VESDAnet	Yes	Yes	Yes	Yes	Yes
iVESDA Support	Yes	Yes	Yes	Yes	Yes
Field Replaceable Chamber	Yes	Yes	Yes	Yes	Yes
WiFi, Ethernet, USB	Yes	Yes	Yes	Yes	Yes

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