

VESDA-E VES

6SHFL&DWLRQ

Supply voltage	18-30 VDC (24 V Nominal)					
Power consumption @ 24 VDC	VES-A00-P			VES-A10-P		
Aspirator Setting	1	5	10	1	5	10
Power (Quiescent)	7.0 W	8.8 W	14.7 W	8.2 W	10.0 W	15.8 W
Power (In Alarm)	7.8 W	9.6 W	15.5 W	10.4 W	11.6 W	16.6 W
Dimensions (WHD)	13.8 in x 8.9 in x 5.3 in (350 mm x 225 mm x 135 mm)					
Weight	9.5 lb (4.3 kg)			9.7 lb (4.4 kg)		
Operating conditions	Ambient: 32°F to 102°F (0°C to 39°C) * Tested to (EN54-20): 14°F to 131°F (-10°C to 55°C) Sampled Air: -4°F to 140°F (-20°C to 60°C) ** Humidity: 5% to 95% RH, non-condensing					
Area Coverage	21,520 sq. ft (2,000 m ²)					
Optical Path Length	20 lm					
Pipe Length (Linear)	919 ft (280 m)***					
Pipe Length (Branched)	1,837 ft (560 m)***					
Pipe lengths depending on number of pipes in use	2 Pipe 328 ft (100 m)		3 Pipe 262 ft (80 m)		4 Pipe 230 ft (70 m)	
No. of holes (A/B/C)	40/80/100***					
Computer design tool	ASPIRE					
Pipe	Inlet: External diameter 1.05 in (3/4 in IPS) or 25 mm Exhaust: External diameter 1.05 in (3/4 in IPS) or 25 mm via adaptor					
Relays	12 programmable relays (latching or non-latching states) Contacts rated 2 A @ 30 VDC (Resistive)					
IP rating	IP40					
Cable access	4 x 1.02 in (26 mm) cable entries					
Cable termination	Screw Terminal blocks 0.2–2.5 sq mm (24–14 AWG)					
Dynamic Range	0.0003% to 10% obs/ft (0.001% to 32% obs/m)					
Sensitivity Range	0.0016% to 6.25% obs/ft (0.005 to 20% obs/m)					
Threshold setting range	Alert: 0.0016% to 0.625% obs/ft (0.005% to 2.0% obs/m) Action: 0.0016% to 0.625% obs/ft (0.005% to 2.0% obs/m) Fire1: 0.0031% to 0.625% obs/ft (0.010% to 2.0% obs/m) Fire2: 0.0063% to 6.25% obs/ft (0.020% to 20.0% obs/m)					
Software features	Event log: Up to 20,000 events Smoke level and alarm threshold levels, user actions, alarms and faults with time and date stamp AutoLearn: Detector learns Alarm Thresholds and Flow Fault thresholds by monitoring the environment.					

* Product UL listed for use from 32°F to 100°F (0°C to 38°C).

** Sampled Air temperature shall reach Detector Ambient temperature upon entry into Detector. Refer to Xtralis Design Guides & Application Notes for sampled air pre-conditioning.

*** Subject to agency confirmation.

Ordering Information

VESDA-E VES with LEDs, Plastic Enclosure	VES-A00-P
VESDA-E VES with 3.5" Display, Plastic Enclosure	VES-A10-P
VESDA-E VES with LEDs, Plastic Enclosure - NF	VES-A00-P-NF
VESDA-E VES with 3.5" Display, Plastic Enclosure - NF	VES-A10-P-NF
VESDA-E VES Demo Kit	VKT-855

Approvals Compliance

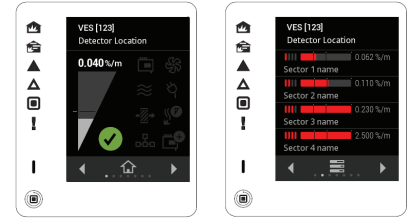
Please refer to the Product Guide for details regarding compliant design, installation and commissioning.

Spare Parts

VESDA-E VES Scanner Manifold Spare	VSP-955
VESDA-E Mounting Bracket	VSP-960
VESDA-E Exhaust adaptor US	VSP-961
VESDA-E Filter	VSP-962
VESDA-E Filter - 20 Pieces	VSP-962-20
VESDA-E Aspirator	VSP-963
VESDA-E Smoke Detection Chamber - MK3	VSP-964-03
VESDA-E Sampling Module	VSP-965
VESDA-E VES-A00-P Front Cover Plastic (LEDs)	VSP-968
VESDA-E VES-A10-P Front Cover Plastic (3.5" Display)	VSP-969-S

VES-A00-P VES-A10-P

3.5" Display



Home page

Sector status page

LED	Description
	Fire 2
	Fire 1
	Action
	Alert
	Disabled
	Fault
	Power

Home page	
Icon on display	Description
	Smoke Level and Adaptive Scan Threshold
	Detector OK
	Detector Fault
	Aspirator Fault
	SURROW
	Power Fault
	Filter Fault
	Smoke Chamber Fault
	VESDAnet Fault
	StaX Module Fault

Sector status page	
Display element	Description
	Sector Alarm Level
	Sector Smoke Level bargraph including alarm threshold indicators
	Sector 1 name