VESDA SENSEPOINT XCL - LARGE BORE
VESDA ASPIRATING GAS DETECTION

VESDA SENSEPOINT XCL - LARGE BORE
GAS DETECTION WITH ASD

As the world's leading manufacturer of aspirating smoke detection (ASD) solutions, Xtralis has introduced the VESDA Sensepoint XCL – Large Bore gas detector that connects to Xtralis ASD systems to deliver superior gas detection via multiple hole (multi-point) sampling.

The VESDA Sensepoint XCL – Large Bore portfolio comprises gas sensors that address a wide range of applications and through its Bluetooth interface can be paired with a smart device for easy commissioning and maintenance. The smart device application (Sensepoint App) provides quick access to detector diagnostic information and simplifies configuration, calibration and bump testing.

Customer Benefits

- Lower Installation Cost: Leverages multi-hole ASD pipe networks to replace multiple fixed spot gas detectors reducing installation costs.
- Lower Commissioning Cost: Allows quick and simple configuration using smart devices via Bluetooth to reduce commissioning and setup costs.
- Lower Maintenance Cost: Eliminates the need to enter the detection zone allowing for accessible, efficient and cost-effective service and maintenance.
- Cumulative Sampling: Mitigates the effects of gas dispersion using multi-hole cumulative sampling for reliable gas detection.
- Detector Longevity: Capitalizes on ASD Application Engineering techniques to ensure reliable long-term performance in harsh environments.

VESDA SENSEPOINT XCL – LARGE BORE

VESDA Sensepoint XCL – Large Bore is designed to be easily incorporated to existing or new ASD pipe networks without major construction or electrical cabling / conduit and utilizes the flow in the pipe for the continuous delivery of air samples to the gas sensor for analysis.

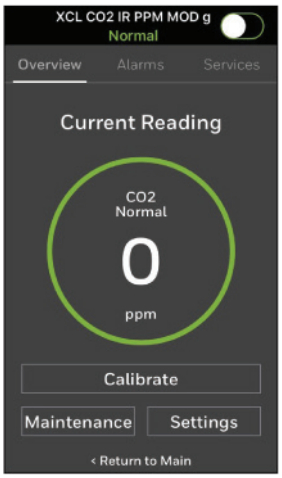
It is capable of remote sampling which means the detector can be placed outside the detection zone at a convenient location for maintenance and service where free business operation, restricted access and safety of personnel is important. Air drawn to the detector can be conditioned to remove contaminates which ensures the detector maintains reliable long-term performance in a wide range of environments.

A single VESDA Sensepoint XCL – Large Bore detector delivers multi-point gas sampling capability giving it the advantage of providing larger coverage, increased design flexibility and reliable detection in high airflow areas compared to fixed point gas detectors.

VESDA Sensepoint XCL – Large Bore is available with either 4-20 mA analog or Modbus RTU output, both versions equipped with x2 configurable relays (Fault, Alarm) for integration to BMS, fire alarm panels, PLC's, HVAC systems, etc.

EASY SETUP AND MAINTENANCE

Setup and commissioning of VESDA Sensepoint XCL – Large Bore is done from your smart device with the Sensepoint App without the need to open the detector.
The Sensepoint App simplifies detector maintenance activities: calibration / bump testing saving time and money and provides quick access to detector diagnostic information with the ability to generate and share reports on the spot .



KEY APPLICATIONS

Gas Type	Key Applications	
Flammable (CAT) (% LEL)	Fuel storage and distribution line Food / Beverage industry	IAQ Confines spaces
Oxygen (% v/v)	MRI rooms Confined spaces	Laboratories Hospitals
Carbon Monoxide (ppm)	Heating plants IAQ	Car parks / Loading bays Vehicle test facilities
Carbon Dioxide (ppm, % v/v)	Industrial processes IAQ	Artificial atmospheres (greenhouses) Food / Beverage industry
Hydrogen (ppm)	Batteries Fuel storage & distribution lines	Laboratories Chemical industry
Hydrogen Sulphide (ppm)	Underground areas Landfill sites	Confined spaces Water treatment plants
Nitrogen Dioxide (ppm)	Parking garages / Loading bays Petroleum industries	Confined spaces Water treatment plants
Ammonia (ppm)	Agriculture Hospitals	Refrigerated plants Pulp and Paper industry

PRODUCT SPECIFICATIONS

Specification		Value
Power Supply	DC input voltage (nominal)	24 V DC[1]
	AC input voltage (nominal)	24 V AC[2] , 50/60 Hz
Maximum Power Consumption	mA Versions	< 1.2 W (toxic), <1.7 W (flammable and CO_2)
	Modbus versions	< 0.7 W (toxic), <1.7 W (flammable and CO_2)
	Relay versions	Additional 0.6 W
Outputs[3]	Analog output	0 to 22 mA sink or source (configurable)
	Digital output	Modbus RTU
	Relay output	2 Relays (fault, alarm) Rated at 24V DC, 240V AC @5A
Operating Environment	Operating temperature	-20 to 50°C (-4 to 122 °F)
	Humidity	0 to 99% (non-condensing)[4]
	Atmospheric pressure	90 to 110 kPa
	Ingress protection	IP65 / Type 4 (in accordance with NEMA 250)
	Installation category	II (UL/CSA/IEC/EN 61010-1)
Sampling Pipe	Outer diameter	25 mm (0.98 in) / 27mm (1.06 in)

1. mA versions: 11 to 32 VDC, Modbus versions: 9 to 32 VDC .
2. 20 to 27 VAC .
3. Dependent on version.
4. CAT version 10 to 90% RH. Operating the detector outside this range may result in increased drift and reduction in detector accuracy.

ABOUT XTRALIS

Xtralis is the 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

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