



Features

- Available Sensors:
 - Carbon Monoxide (CO): 300ppm (adjustable 50 – 1000ppm)
 - Combustible (CAT): 0 – 100% LEL (Methane, Hydrogen, Propane, Ethanol, Butane, Octane, etc.)
 - Hydrogen (H₂): 1000ppm
 - Carbon Dioxide (CO₂): 5.0% v/v (adjustable 1.0 – 5.0% v/v)
 - Carbon Dioxide (CO₂): 5000ppm (adjustable 1000 – 5000ppm)
- Factory calibrated detector
 - (CAT: Factory calibrated to CH₄)
- Integral alarm status LEDs
- Wireless Interface: Bluetooth 4.0 (Bluetooth Low Energy)
 - Connect up to 10m away (mobile device dependent). Use compatible smart device running iOS 10 / Android 4.3 or above
- Integrates with PLCs/HVAC/BMS/FACP
- Configurable relays
- 4-20 mA analog outputs or RS 485 Modbus output

Tube Size Compatibility

- Connects to VESDA-E VEA micro bore tube 6 mm (1/4") OD using flexible tubes (supplied)

Approvals

- Electrical safety
 - Conforms to EN/UL/IEC61010-1
 - Certified to CSA-C22.2 No. 61010-1-12
- CE - EMC
 - EN 50270
- RADIO
 - RED, FCC, BT SIG
- OTHERS
 - UL2075 (CO and CH₄), AS 1668.2

Aspirated Gas Detection for Micro Bore ASD System (VESDA-E VEA Addressable Aspirating Smoke Detection)

Xtralis the manufacturer of the market leading VESDA Aspirating Smoke Detection (ASD) technology has developed with its sister company Honeywell Analytics a new concept of aspirated gas detectors. When used with the VESDA-E VEA; VESDA Sensepoint XCL provides early warning of the presence of gases for occupant protection and system monitoring whilst at the same time ensuring protection against fire threats.

Through its embedded Bluetooth interface, customers can pair the VESDA Sensepoint XCL detector with their smart device to perform installation, commissioning and maintenance, allowing faster detector configuration, simplified operation and service.

Applications include

- Residential
- Commercial premises
- Hospitals
- Hotels
- Car parks (underground / enclosed)
- Laboratories
- High tech manufacturing
- Universities and schools
- Chemical / Pharmaceutical
- Indoor air quality monitoring
- Battery rooms
- Fuel storage areas
- Confined spaces
- Food & beverage
- Refrigerated systems (leak detection)
- Greenhouses

How it works

VESDA Sensepoint XCL can be added to existing or new VESDA-E VEA installations to actively monitor the presence of gases.

It integrates with other building systems, including fire alarm control panels, PLCs, HVAC and building management systems, and provides real-time situational awareness for intelligent emergency response.

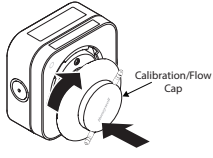
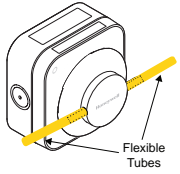
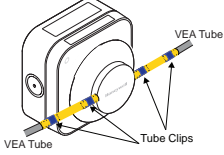
VESDA Sensepoint XCL is capable of remote sampling up to 100m (328ft) providing significant installation and routine maintenance cost savings with easy access to the detector unit for diagnostic information and servicing. Sensor cartridges are easily replaced in the field through simple steps.

Flexible Output Options

VESDA Sensepoint XCL is available with either a 4-20 mA analog output or Modbus RTU, both versions being equipped with relays. The result is a flexible solution that can be easily incorporated into legacy systems as well as new installations.

Installation

VESDA Sensepoint XCL is designed to be inserted in-line to the VESDA-E VEA microbore tube network using flexible tubes as shown below:

<p>Insert the calibration/flow cap into the detector module and turn clockwise until locked into place</p>	
<p>Insert the supplied flexible tubes (cut to 50mm (2 in) length) over the full length of both nozzles of the calibration / flow cap</p>	
<p>Insert VEA tubes at least 15mm (0.6 in) into flexible tubes. Secure VEA and flexible tubing parts with the supplied tube clips.</p>	

VESDA Sensepoint XCL Ordering Information

VESDA Sensepoint XCL – Micro Bore ASD System gas detectors come complete with the main detector unit (pre- installed with sensor cartridge), two cable glands, calibration/flow cap, flexible tube and tube clips to connect to VEA tubing. Two variants are available based on detector outputs (mA analog, Modbus RTU).

Ordering Codes

VESDA Sensepoint XCL CO 300ppm 4-20mA Relay for VEA	XCL-VEA-CO-RA
VESDA Sensepoint XCL CO 300ppm Modbus Relay for VEA	XCL-VEA-CO-RM
VESDA Sensepoint XCL CH ₄ 0-100% LEL 4-20mA Relay for VEA	XCL-VEA-CH4-RA
VESDA Sensepoint XCL CH ₄ 0-100% LEL Modbus Relay for VEA	XCL-VEA-CH4-RM
VESDA Sensepoint XCL H ₂ 1000ppm 4-20mA Relay for VEA	XCL-VEA-H2-RA
VESDA Sensepoint XCL H ₂ 1000ppm Modbus Relay for VEA	XCL-VEA-H2-RM
VESDA Sensepoint XCL CO ₂ 5% v/v 4-20mA Relay for VEA	XCL-VEA-CO2VV-RA
VESDA Sensepoint XCL CO ₂ 5% v/v Modbus Relay for VEA	XCL-VEA-CO2VV-RM
VESDA Sensepoint XCL CO ₂ 5000ppm 4-20mA Relay for VEA	XCL-VEA-CO2PP-RA
VESDA Sensepoint XCL CO ₂ 5000ppm Modbus Relay for VEA	XCL-VEA-CO2PP-RM
5 x VESDA Sensepoint XCL CO 300ppm 4-20mA Relay for VEA	XCL-VEA-CO-RA-5
5 x VESDA Sensepoint XCL CH ₄ 0-100% LEL 4-20mA Relay for VEA	XCL-VEA-CH4-RA-5
5 x VESDA Sensepoint XCL H ₂ 1000ppm 4-20mA Relay for VEA	XCL-VEA-H2-RA-5

Spare Parts

VESDA Sensepoint XCL Replacement Filter - Pack of 10	XCL-FILTER
VESDA Sensepoint XCL Calibration/Flow Cap for VEA	XCL-VEA-CAL
VESDA Sensepoint XCL Cable Glands - Pack of 10	XCL-M20-CG
VESDA Sensepoint XCL Tubing Interface for VEA	XCL-VEA-TUB
VESDA Sensepoint XCL Sensor Cover with Gasket	XCL-COVER
VESDA Sensepoint XCL/XRL Replacement Sensor - CO 300ppm	XCL-XRL-SC-CO
VESDA Sensepoint XCL Replacement Sensor - CH ₄ 0-100% LEL	XCL-SC-CH4
VESDA Sensepoint XCL/XRL Replacement Sensor - H ₂ 1000ppm	XCL-XRL-SC-H2
VESDA Sensepoint XCL Replacement Sensor - CO ₂ 5% v/v	XCL-SC-CO2VV
VESDA Sensepoint XCL Replacement Sensor - CO ₂ 5000ppm	XCL-SC-CO2PP

www.xtralis.com

UK and Europe +44 1442 242 330 The Americas +1 800 229 4434

Middle East +962 6 588 5622 Asia +86 21 5240 0077 Australia and New Zealand +61 3 9936 7000

The contents of this document are provided on an "as is" basis. No representation or warranty (either express or implied) is made as to the completeness, accuracy or reliability of the contents of this document. The manufacturer reserves the right to change designs or specifications without obligation and without further notice. Except as otherwise provided, all warranties, express or implied, including without limitation any implied warranties of merchantability and fitness for a particular purpose are expressly excluded. Xtralis, the Xtralis logo, The Sooner You Know, VESDA-E, VESDA, ICAM, ECO, OSID, and Sensepoint are trademarks and/or registered trademarks of Xtralis and/or its subsidiaries in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Your use of this document does not constitute or create a licence or any other right to use the name and/or trademark and/or label.

This document is subject to copyright owned by Xtralis. You agree not to copy, communicate to the public, adapt, distribute, transfer, sell, modify or publish any contents of this document without the express prior written consent of Xtralis.

Specifications

Supply Voltage

24 VDC nominal
 11 to 32V DC (Analog 4-20 mA)
 9 to 32V DC (Modbus)
 24V AC 50/60Hz Nominal (20 to 27 VAC)

Maximum Power Consumption (24V DC)

1.2 W (Analog 4-20mA) (toxic), 1.7W (flammable and CO₂)
 0.7 W (Modbus) (toxic), 1.2W (flammable and CO₂)
 Relay Version: additional 0.6W total

Maximum Inrush Current (24V DC)

850 mA

Dimensions (WxHxD)

113 x 113 x 59 mm (4.4 x 4.4 x 2.3 in)

Weight

500 g (1.1 lb)

Ingress Protection Rating

IP65, Type 4 (NEMA 250)

Casing Material

Polycarbonate (charcoal colour)

Operating Conditions

Operating Temperature:

-20 to +50 °C (-4 to +122 °F)

Storage Temperature:

0 to +30 °C (+32 to +86 °F)

Humidity:

0 to 99% (non-condensing)

Flammable catalytic versions: 10 to 90% RH. Operating the detector outside this range may result in increased drift and a reduction in detector accuracy.

Atmospheric pressure:

95 to 110 kPa

Wire/Terminal size

Pluggable rising clamp style.
 0.5 to 1.5 mm², 20 to 16 AWG.

Output

Analog Output: 0 to 22 mA

Digital Output: Modbus RTU

Relay Output: 2 relays (24 V DC / 240 V AC, 5 A)