Features

- Available Sensors:
  - Carbon Monoxide (CO): 300 ppm (adjustable 50 – 1000 ppm)
- Factory calibrated detector
- Integral alarm status LEDs
- Bluetooth 4.0 (Bluetooth Low Energy)
- Integrates with PLCs/HVAC/BMS/FACP
- Configurable relays
- 4-20 mA analog outputs or RS 485 Modbus output

Compatibility

- VESDA-E VEA ASD micro bore tube (OD 6 mm / ID 4 mm)

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
- OTHERS
  - UL2075, 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, VESDA Sensepoint XCL enables customers to pair the gas detector with their smart device applications to perform installation, commissioning and maintenance. This ensures a faster VESDA Sensepoint XCL installation, rapid configuration, simplicity to operate, and simplified maintenance.

Applications include

- Boiler plant rooms
- Commercial premises
- Parking and garages
- Utility / service tunnels
- Bus and train locomotive depots
- Laboratories, biotechnology labs, pharmaceutical
- Universities and schools
- Hotels
- Hospitals
- Residential.

How it works

VESDA Sensepoint XCL can be added to existing or new VESDA-E VEA tube network installations to actively monitor for gas leakages and build-ups.
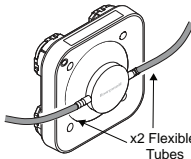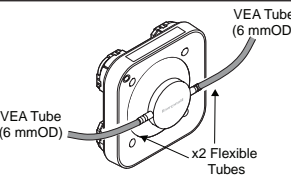
It integrates with other building systems, including fire alarm control panels, PLCs, HVAC and building management systems, and provides real-time situational awareness for intelligent emergency response. VESDA Sensepoint XCL provides significant installation and routine maintenance cost savings by providing easy access to diagnostic information for 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 easily be incorporated into legacy systems as well as new installations.

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Installation

VESDA Sensepoint XCL is designed to be inserted in-line with the VESDA-E VEA tube network using flexible tube adaptors as shown below.

Insert the supplied flexible tubes (50mm length) to interface the inlet and outlet ports of the VESDA Sensepoint XCL calibration/flow cap to the VEA tubes.	x2 Flexible Tubes
Insert VEA tubes (6mm OD) at least 15mm into both flexible tubes. Where necessary, the VEA and flexible tubing parts can be secured with cable ties.	VEA Tube (6 mmOD) / VEA Tube (6 mmOD) / x2 Flexible Tubes

VESDA Sensepoint XCL Ordering Information

VESDA Sensepoint XCL gas detectors come complete with the main detector unit (pre-installed with the sensor cartridge), two cable glands, calibration/flow cap and flexible adaptor tube to connect to VEA tubing. Two variants are available based on detector outputs.

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)

Power Consumption (24V DC)
1.2 W (Analog 4-20mA)
0.7 W (Modbus)
Relay Version: additional 0.6W

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)

Atmospheric pressure:
95 to 110 kPa

Tube size
Connect to VESDA-E VEA micro bore tube 6 mm (OD) using flexible tube (supplied).

Wire/Terminal size
Pluggable rising clamp style.
0.5 to 1.5 mm^2, 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)

Ordering Codes

VESDA Sensepoint XCL CO 300ppm 4-20mA Relay for VEA	XCL-VEA-CO-RLMA
VESDA Sensepoint XCL CO 300ppm Modbus Relay for VEA	XCL-VEA-CO-RLMB

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

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