



VESDA SENSEPOINT XCL - MICRO BORE ASD SYSTEM

PROTECTS BATTERY-CHARGING ROOMS FROM INVISIBLE DANGERS



CONSEQUENCES OF SMOKE OR GAS IN A BATTERY-CHARGING ROOM

The use of batteries is now a major component in many industries, ranging from the need to supply permanent (uninterrupted) power to IT/communication facilities to the storage of energy in power generation facilities (especially renewable).

Hazards associated with the use of batteries include constant gas emissions during recharge cycles

as well as the potential for fire. For example: the electrochemical reaction associated with the charging of lead-acid batteries generates highly flammable hydrogen gas (off-gassing), that has the potential to create explosion hazard if not managed properly, whereas, charging of lithium-ion batteries can generate excessive heat that might result in thermal runaway and the evolution of toxic

gases (carbon monoxide, carbon dioxide, etc.), presenting a fire and explosion risk.

Early smoke detection and reliable monitoring for explosive and toxic gases, forms therefore, an essential part of the total safety infrastructure for a battery-charging room.



INTRODUCING VESDA SENSEPOINT XCL – MICRO BORE ASD SYSTEM

Extending its world-renowned VESDA aspirating smoke detection (ASD) technology, Xtralis has introduced the VESDA Sensepoint XCL – Micro Bore ASD System gas detector that connects to the VESDA-E VEA smoke detector to deliver a combined smoke detection and environmental monitoring solution. The benefits of VESDA Sensepoint XCL – Micro Bore ASD System gas detectors are:

- Seamless incorporation onto VESDA-E VEA tube networks without complex system redesign, electrical cabling or tubing
- 24/7 active sampling of gas threats
- Compact in size with robust housing, suitable where space is a premium.
- Capable of remote sampling up to 100m (328ft) from the detection zone – no need to enter restricted / secure areas, or use special access equipment
- Can be located at a central location allowing easy and safe access for inspection, service and maintenance.
- Easily configured, commissioned and maintained through embedded Bluetooth wireless connection to smart device.



COMBINED SMOKE AND GAS DETECTION

RELIABLE PERFORMANCE

- The flow of smoke and gas in microbore tubes is monitored by the VESDA-E VEA detector.
- Absolute smoke measurement is provided with the industry's only optical clean-air bleed that guarantees reliable performance throughout operational life

FLEXIBLE SYSTEM INTEGRATION

- Real-time smoke and gas data can be sent to a number of control points through the use of a wide range of high- and low-level interfaces including FACP, BMS, PLCs and HVAC systems or simple audio/visual notification appliances.

BENEFITS

- 24/7 active monitoring of smoke and gas threats
 - Single VEA microtube is used for the transportation of smoke and gas
 - Remote sampling up to 100m (328ft) from the detection zone allows the mounting of detectors at a central location.
 - Flexible deployment of sampling points at locations appropriate to the density of the target gas (i.e. ceiling detection for H₂, head height detection for CO)
 - VESDA-E VEA detectors do not require regular calibration; VESDA Sensepoint XCL detectors are calibrated every 6 months (recommended).
- Full integration of VESDA-E VEA with Xtralis VSC and VSM software that simplifies installation, configuration and management.
 - Lower total cost of ownership when compared to installing and maintaining conventional smoke and gas detectors:
 - Installation of tubes is easier and less expensive than running cable and conduit.
 - Detectors' central mounting location enables easy access for service and maintenance
 - No need to access detection zone
 - Modular design allows parts to be replaced in the field



VESDA Sensepoint XCL in line with VESDA-E VEA

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 and irreplaceable assets and infrastructure belonging to the world's top governments and businesses.

To learn more, please visit us at www.xtralis.com