

► SensePoint XCD

Gas detector with display, 4-20mA output and relays



Technical specifications

ATEX "standalone" combustible (all combustibles), toxic (CO, H₂S, NO₂) or asphyxiating (lack of oxygen or CO₂) fixed gas detector.

Electrical specifications:

- Input voltage range: 16 to 32 VCC (24 VCC nominal) for ATEX/IECEX/AP version
- Electrochemical sensor = 3,7 W,
- Infrared sensor = 3,7 W,
- Catalytic sensor = 4,9 W.
- Maximum inrush current = 800 mA to 24 V CC

Current output sink or source:

- $\geq 0 < 1$ mA: fault
- 2,0 mA or 4 mA (17,4 mA): inhibit (during configuration / user setting)
- 4 mA to 20 mA: normal gas measurement
- 22 mA: maximum over range

Terminals: 15 screws terminals suitable for wire diameter 0,5 mm² to 2,5 mm² (20 AWG to 13 AWG)

Relays: 3 5 A to 250 VCA relays. Selectable normally open or normally closed (switch)

Communication: RS485, MODBUS RTU (optional)

Housing:

Epoxy painted aluminium alloy LM25 or 316 stainless steel

Entries: 2 x M20

Ingress protection: IP66

Humidity: 0 to 99 % HR

Certification: ATEX Ex II 2 GD Ex d IIC T6 (Ta -40 °C to +65 °C)

Product description

SensePoint XCD is a « standalone » ATEX fixed gas detector with display, linear output 4-20 mA and alarm relays for servo controls. It is available for combustible gas, toxic (CO, H₂S, NO₂) or asphyxiating (lack of oxygen or CO₂) gas detection.

A large tri-color backlit LCD indicates clearly and immediately the device status (gas alarms, faults, etc.), even if it is far away. Autonomous and offering numerous possibilities, the **SensePoint XCD** fixed gas detector is often acclaimed for its sophisticated functions and its ease of implementation.

Particularly suitable for industrial and classified sites, the **SensePoint XCD** fixed gas detector with 4-20 mA linear output, measurement display, servo relay and MODBUS communication is a standard in the world of gas detection. Designed for the detection of explosive, toxic, and asphyxiating gas leaks in potentially explosive atmospheres (ATEX zones), this gas detector is available in aluminum or stainless steel version.

With a large LCD screen and magnetic switches, this gas detector can be non-intrusively set up with a magnet directly through the glass window of the display. The pre-calibrated sensors are intrinsically safe and can be replaced under voltage without cutting off the power supply to the detector, saving time for commissioning and routine maintenance.

Gas	Measuring range by default	Selectable measurement range
	Catalytic sensor	
Combustible gas	0-100 % LEL	20 % to 100 % LEL
	Infrared sensor	
Methane (CH ₄)	0-100 % LEL	20 % to 100 % LEL
Methane (CH ₄)	0-100 % vol	20 % to 100 % vol
Carbon dioxide (CO ₂)	0-2 % vol	-
	Electrochemical sensor	
Hydrogen sulfide (H ₂ S)	0-50 ppm	10 to 100 ppm
Carbon monoxide (CO)	0-300 ppm	100 to 1000 ppm
Hydrogen (H ₂)	0-1000 ppm	
Oxygen (O ₂)	0-25 % vol	