

► SensePoint

ATEX combustible, toxic gas and oxygen detector



Technical specifications

Detection principle:

- Explosive gases: Catalytic sensor resistant to poisons 0-100% LEL (methane, butane, propane LPG, CNG or H2)
- Toxic gases: Electrochemical sensor for Cl₂, CO, NO₂, H₂, H₂S, NH₃, NO₂, O₂, SO₂ gases.

Power supply: 24 Vdc

Output:

- Explosive gases: 3-wire mV bridge, 2.9 to 3.5 V, 0.7 W, constant 200 mA electric power
- Toxic gases and oxygen: 2-wire 4-20 mA loop supply (plus shielding), 16 to 30 Vdc, 0.9 W

Housing: Phenylene Polysulfide (PPS)

Protection rating (IP): standard IP65

Connecting box:

- Grounding kit
- 4-wire terminal block BK4 (four-way), 4 x 0.5 mm² (AWG 20) to 2.5 mm² (AWG 14),

Cable gland: 1 x M20, 1 x ¾ "NPT, 1 x ½" NPT

Certifications:

- Explosive gases: ATEX II 2 GD
 Ex d IIC T6 Gb
 Ex tb IIIC A21 Db IP67 T85°Cd
- Toxic gases and oxygen: ATEX II 2 GD Ex d IIC T4 Gb
 Ex d IIC T4 Gb
 Ex tb IIIC A21 Db IP67 T135°C
- Applicable standards: This product complies with current CE standards, in particular the following standards: EN50270 on electromagnetic compatibility, EN60079-29-1 on flammable gases, EN445544 on toxic gases (H₂S only)

Product description

The **SensePoint** range of flammable, toxic and oxygen gas detectors is an affordable solution that meets the needs of users who want to detect and monitor gases, both indoors, outdoors and in potentially explosive atmospheres (ATEX zones).

It consists of an Exd or Exe approved housing and a certified gas sensor. With an IP65 protection rating, it is water and dust protected and its four-way connection box makes it very easy to install.

► Flammable gas detector

This version has a poison resistant pellistor catalytic detection system, which is part of a 3-wire mV bridge measurement circuit.

The flammable gas detector measures target gas concentrations between 0 and 100% of the LEL (Lower Explosive Limit) for which it is calibrated.

► Toxic gas detector

Equipped with a high performance electrochemical sensor, this gas detector version detects toxic gases (in ppm) present in ambient air. The **SensePoint** toxic gas version is available for Cl₂, CO, H₂, H₂S, NH₃, NO, NO₂ or SO₂ gases with a 4-20 mA 2-wire linear output.

► Oxygen gas detector

This version of the **SensePoint** monitors oxygen depletion in the air as a volume percentage (% / vol.) Like the toxic gas version, it has a 4-20 mA 2-wire linear output.

Codification

Gas	Range	Code
Combustible gas	0-100% LEL	SPSTAXF1
Ammonia	0-50 ppm NH ₃	SPSTAXA1
	0-1000 ppm NH ₃	SPSTAXA2
Chlorine	0-5 ppm Cl ₂	SPSTAXL1
	0-15 ppm Cl ₂	SPSTAXL2
Carbon monoxide	0-200 ppm CO	SPSTAXC1
	0-500 ppm CO	SPSTAXC2
Hydrogen	0-1000 ppm	SPSTAXG1
Hydrogen sulfide	0-50 ppm	SPSTAXH1
	0-100 ppm	SPSTAXH3
Nitric dioxide	0-10 ppm	SPSTAXN1
Oxygen	0-25%/vol.	SPSTAXO1
Sulfide dioxide	0-15 ppm SO ₂	SPSTAXS1
	0-50 ppm SO ₂	SPSTAXS2