

SMARTGAS SENSOR 2.0 Controller (PL20)



The Sperosens SmartGas 2.0 Controller provides a cost-effective way to monitor up to 4 gases. The gas sensors are integrated into pre-calibrated sensor modules, typical gases are CO, SO₂, NH₃, NO₂ and methane.

In addition, two 4-20mA inputs are available to monitor external sensors like air velocity, smoke, etc.

All monitored values are displayed on a graphical display, as well as transmitted via LonWorks to SL2010 SQL database for further processing.

The menu can be navigated with a magnet, and allows for in-field Zero adjustments and Span calibrations.

KEY FEATURES

- 4-port gas sensor
- 2 additional 4-20mA external inputs
- Graphical display of all values
- Pre-calibrated sensor modules
- SL2010 (with PL20 power line communication)

APPLICATIONS

- Environmental monitoring
- Mine Fire detection
- Gas monitor with local alarm



SMARTGAS SENSOR 2.0

TYPICAL GASES MONITORED INTERNALLY

Gas Modules (others available on request)

- CH₄ (methane, LEL)
- CO (carbon monoxide)
- NH₃ (ammonia)
- NO₂ / NO_x (nitrogen oxides)
- SO₂ (sulphur dioxide)

Pre-calibrated gas sensor modules, circuit board with non-volatile memory storing sensor type, sensor range, calibration data, calibration date, expiry dates, etc.

ELECTRICAL SPECIFICATIONS

Supply

- 18 – 30VDC on PL20 network
- Max. 1.5W

CERTIFICATION

Ex Protection: None, not for use in classified hazardous areas

MECHANICAL SPECIFICATIONS

Physical Dimensions of Unit

Main enclosure: 180L x 240W x 100H mm
(Incl. Mounting Bracket)

Gas Sensor Assembly: 68dia x 60H mm

Material

Main enclosure: PC Bayblend

Installation method:

Supplied with stainless steel mounting brackets

ENVIRONMENTAL SPECIFICATIONS

Environmental Conditions

Water and Dust: IP 65 protection standard
(water and dust sealed)

Temperature

Operating: -10 °C to +50 °C

FOR MORE INFORMATION:

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