

1G421 AV SENSOR RANGE



The Sperosens 1G421 AV sensor range provides a cost-effective way to monitor toxic gases. The unit accommodates larger sensor cells with longer life and higher concentration ranges. Typical gases are: CO, SO₂ and NO₂.

The sensor range provides factory-fitted audio/ visual indicators for local alarming

The monitored value is displayed on a large display, and the output is available as a 4-20mA signal.

KEY FEATURES

- Field calibration via user menu
- Menu operated by single magnet
- Large display of values /parameters
- Digital sensor module
- Local alarm indication (audio/visual)

APPLICATIONS

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



1G421 AV SENSOR RANGE

TYPICAL GASES MONITORED INTERNALLY

Gas options

- CO (carbon monoxide)
- NO₂ (nitrogen dioxide)
- SO₂ (sulphur dioxide)

Other features:

Digital field calibration (Zero and Span) saved to non-volatile memory, output monitoring of 4-20mA or 0-1mA signals, two open drain outputs for local alarming, user selectable alarm modes, user selectable alarm trip levels

ELECTRICAL SPECIFICATIONS

Supply

- 18 – 30VDC
- Max. 120mA DC @ 24V supply (20mA output, in alarm)

Alarm Indicators

Visual: Flashing Beacon

Audio: 90dB high pitch buzzer

MECHANICAL SPECIFICATIONS

Physical Dimensions of Unit

Main enclosure: 190L x 190W x 120H mm
(Incl. Mounting Bracket)

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:

T +27 12 665 0317 · E info@spero.co.za
Sperosens · Sperosens · www.spero.co.za

Private Bag X115, Centurion, 0046, RSA

32 Park Avenue, Highway Business Park, Rooihuiskraal North, Centurion, 0154