

GASGUARD GAS DETECTION SYSTEM



Ampcontrol's Gasguard range of sensors and controllers are designed to tolerate the arduous and demanding conditions synonymous with infrastructure and mining projects.

Gasguard is designed, manufactured and serviced through quality assurance and NATA certified workshop facilities, backed by engineering resources and 24 hour customer support.

Gas Sensing Systems

Ampcontrol's range of Intrinsically Safe power supplies, uninterruptible power supplies, toxic and flammable gas sensors and programmable sensor controllers combine to provide customised gas detection solutions. From machine gas monitoring systems through to complete mine wide monitoring and control systems using fibre optic or copper data transmission backbones, Gasguard suits a wide range of applications.

Systems can be stand alone and/or easily integrated with SCADA and PLC systems.

Calibration Gases and Servicing

To assist in testing and calibration of the sensors, a range of calibration gases and accessories are available.

With high quality test gases, regulators and fittings, Ampcontrol offer comprehensive support for gas system maintenance ensuring system reliability and improved production through system availability.

FEATURES

- Rugged cast stainless steel construction for use in harsh environments
- Certified Intrinsically Safe
- Complete IP66 Ingress Protection including gas inlet port
- Easy closed case calibration



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CONTROLLERS

The Gasguard Controller is a programmable Intrinsically Safe device. Controller functions include:

- Programmable gas types
- 4 alarm levels per channel
- Analogue and MODBUS outputs
- Programmable alarm zones and relay outputs

Features:

- Fully compatible with entire sensor range
- 4 channel inputs (4-20mA or 0.4 - 2V)
- Comprehensive LCD display



SENSORS

Featuring LCD display, the Gasguard sensor range offers high quality electrochemical, catalytic and infra-red gas sensors and transmitters. The sensors can be calibrated using a non-intrusive magnetic pen.

Gas sensors and transmitters are available for the following gas types:

- Oxygen
- Methane
- Hydrogen sulphide
- Carbon monoxide
- Carbon Dioxide
- Hydrogen Sulphide
- Nitric Oxide
- Nitrogen Dioxide

Features:

- Rugged construction, cast stainless steel IP66 housing
- Certified Ex ia Intrinsically Safe
- Easy calibration
- Optional remote sensor head (up to 10m)



DISPLAY AND ACCESSORIES

A rugged Intrinsically Safe 3 digit 7-segment LED display is one of the accessories for the Gasguard system, continuously displaying the gas levels and system status including alarm and trip conditions. Other items include an Intrinsically Safe pilot trip relay and power supplies.

Features:

- 3 digit 7-segment display
- Rugged construction, IP66 housing
- Two digital inputs to visual alarm indication

