



GAS 404

1-4 Channel
Direct Gas
Monitoring System

Application

The GAS 404 has been designed with features that provide an effective response to the detection of gas hazards in a wide range of environments, from commercial premises through to heavy industrial applications requiring hazardous area sensing. Typical monitor locations are public buildings, boiler plant rooms, swimming pools, water treatment works, H&V control systems, manufacturing and processing plants.

Operation

Each gas sensor continuously monitors the atmosphere reporting any hazardous condition to the control unit. The GAS 404 can accept 4-20 mA and conventional mV Bridge pellistor inputs. The display is scrolling containing the gas concentration, units of measurement and the alarm status.

The GAS 404 offers industry standard 4-20 mA or 1-5 v outputs along with user selectable relays, making integration with process control equipment simple and efficient.

The GAS 404 is supplied ready to use with pre-calibrated gas sensors and full installation instructions.

The Facts

- Versatile System Configuration
- Flammable, Oxygen and Toxic Gases
- 1 to 4 sensors
- Plug in sensor channels
- Two alarm stages per channel
- Selectable alarm relays
- Analogue 4-20mA output per channel
- Event/data logging option
- Battery backup option

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Technical Data

Sensor points

- 1 - 4

Measurements

- Combustible Gas - L.E.L., % vol, ppm
- Toxic Gas - ppm, % vol
- Refrigerant - ppm
- Oxygen - % vol Depletion/Enrichment
- Any 4-20mA input signal

Power supply

- 230/115v AC or 24v DC

Power Consumption

- 12 watts - full alarm

Indicators

- Power - Green L.E.D
- Mains Fail - power indicator change green to amber
- Alarms - Red L.E.D.s
- Fault - Amber L.E.D
- Digital Display - 3 1/2 Digit - gas readout
- Sensor channel selection indicator - Amber L.E.D
- System test - Alarm L.E.D.s flashing
- Alarm Relay Inhibit - Fault L.E.D on

Outputs

- High Alarm Relay - Common D.P.C.O
Normally energised or de-energised, latched or unlatched
- Low Alarm Relay - Common D.P.C.O
Normally energised or de-energised, latched or unlatched **Audible alarm**
- Fault Alarm Relay - Common S.P.C.O
Normally energised or de-energised
- Channel Relays - 1 per channel high or low selectable S.P.C.O
Normally energised or de-energised, latched or unlatched
- General Alarm Relay - resetable S.P.C.O
- All contacts rated 5A-230vAC
- Analogue 4 ~ 20mA output per channel
- Output 24vDC @ 100mA max

Audible Alarm

- Permanent mute option. Lo, Hi, Fault alarms

Alarm Settings

- Digital Setting (fully adjustable between zero and full scale)
- Bridge type 3 wire mV input
- 4-20mA (electrochemical/infrared)

Sensor cable

- 3 core 1.5mm² screened < 1.5km

Miscellaneous

- EMC approvals EN50270 Marine EN60945
- Enclosure - cable entry - bottom/rear
- Protection IP52 - option IP65
- Dimensions 310W x 265H x 75Dmm
- Weight 3.6kg
- Operating temperature -10 to +50°C
- Optional front cover lock
- Optional backup battery
- Field terminals - 2.5mm quick release
- Relative Humidity 0 - 90%
- System/lamp test
- Remote Accept/Reset
- Alarm isolate during service

This document is not contractual and the equipment specification may be modified at any time without prior notice.