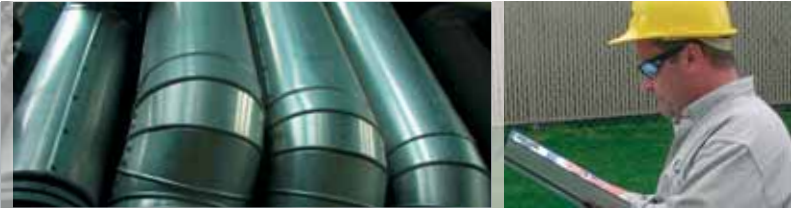




An advanced gas sensor that provides continuous, effective and fully integrated monitoring of toxic and combustible gases

Vulcain 201M stand-alone gas monitor



User Friendly

- Simple installation and operation
- Quick self-test and warm-up
- Easy field verification
- 10-step LED display

Inexpensive

- Cost-effective

Original Architecture

- Innovative and attractive case design

Safety Measures

- Two alarm levels
- 2 high/low DPDT alarm relays
- Audible/visual alarms
- Programmable time delays
- Calibration status warning

Beneficial Options

- Remote sensor configuration available

The Vulcain 201M series combines innovative architecture with an advanced microprocessor-based system to ensure effective monitoring of toxic and combustible gases.

The product of years of research and innovative technological development, the Vulcain 201M is an advanced microprocessor-based sensor featuring a high quality stand-alone controller, a unique high-tech enclosure, and all the necessary characteristics to provide continuous, effective and fully integrated monitoring of toxic and combustible gases.

Innovative Architecture

The result of extensive experimentation and the most rigorous testing, the 201M's highly advanced enclosure is designed to provide maximum effectiveness and durability. As such, all contours and surfaces have been carefully conceived and constructed to allow optimal gas flow and ensure total precision in detection.



Technical summary



General Specifications

| | |
|----------------------------|--|
| Use | Stand-alone gas detector for a variety of toxic gases and combustible and oxygen hazards |
| Size | 21.3 x 13.4 x 5.7 cm (8.4 x 5.3 x 2.25 in.) |
| Weight | 0.39 kg (13.76 oz.) |
| Power Requirement | 17-27 Vac, 24-38 Vdc, 250 mA |
| Display | 10-step LED |
| Visual Indicators | Failure indication : Yellow LED |
| Normal Operation | Green LED |
| Relay Output Rating | 5A, 30 Vdc or 250 Vac (resistive load) |
| Alarm Levels | High and Low |
| Time Delays | 0, 1, 5 or 10 minutes |
| Audible Alarm | 65 dBA at 1 m (3 ft.) |
| Outputs | 2 DPDT relays |

Sensing Technology


Q1-type Sensor Electrochemical (toxic), catalytic combustion (combustibles), or diffusion fuel cell (oxygen)

Q2-type Sensor Solid-state or electrochemical (carbon monoxide)

| Detection | Gas Detected | Detection Range | | Operating Humidity Range | | Operating Temperature Range | |
|-----------|-----------------|-----------------|--------------|--------------------------|------------|-----------------------------|----------------------------|
| | | Q1-type | Q2-type | Q1-type | Q2-type | Q1-type | Q2-type |
| | CO | 0-50 ppm | — | 0–90% NC | 10–95% NC | -20°C–50°C (-4°F to 122°F) | -20°C–50°C (-4°F to 122°F) |
| | CO | 0-100 ppm | — | 0–90% NC | 10–95% NC | -20°C–50°C (-4°F to 122°F) | -20°C–50°C (-4°F to 122°F) |
| | CO | 0-250 ppm (std) | 0-250 ppm | 0–90% NC | 10–95% NC | -20°C–50°C (-4°F to 122°F) | -20°C–50°C (-4°F to 122°F) |
| | CO | 0-500 ppm | — | 0–90% NC | 10–95% NC | -20°C–50°C (-4°F to 122°F) | -20°C–50°C (-4°F to 122°F) |
| | NO ₂ | 0-10 ppm | — | 15–90% C | — | -30°C–50°C (-22°F to 122°F) | — |
| | H ₂ | — | 0-100% LEL | 15–90% NC | 15–90% NC | -20°C–50°C (-4°F to 122°F) | -10°C–40°C (14°F to 104°F) |
| | Combustibles | 0 - 100% LEL | 0 - 100% LEL | — | — | — | — |
| | Refrigerants | — | 0-2000 ppm* | — | 40–100% NC | — | -10°C–40°C (14°F to 104°F) |
| | O ₂ | 0-25% | — | 5–95% C | — | -20°C–55°C (-4°F to 131°F) | — |
| | NO | 0-100 ppm | — | 15-90% NC | — | -20°C–50°C (-4°F to 122°F) | — |

NC - Non-Condensing C - Condensing *Not available for R123 and R125

Ratings and Certifications

Certified to
 UL STD. 1244
 CSA STD. C22.2 No. 205
 116662

As world leaders in gas detection solutions, Honeywell Analytics' Vulcain range of gas detection systems has been designed to provide efficient, practical and cost-effective equipment to protect people from a variety of forms of hazardous gases and to efficiently monitor and control indoor air quality. The equipment is also extremely simple to install and easy to operate and maintain.

The Vulcain range of fixed gas detection and air monitors



Vulcain Sensors

From refrigerants to toxic and combustible gases, Honeywell Analytic's Vulcain line has a sensor designed for any industrial or commercial application. With award winning sensor technology, this line of sensors is the answer to any fixed HVAC, IAQ or gas detection concerns.

Find out more

For more information on Honeywell Analytic's Vulcain line of products, visit www.honeywellanalytics.com or contact us at 800 563 2967

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Vulcain Controllers

Designed for industrial or commercial use, the Vulcain 301C monitors and controls toxic gases, combustible gases and oxygen hazards. With the same simple installation and operation and flexibility as the Vulcain 301C, the Vulcain 301EM is specifically designed to fulfill the requirements of a mechanical room.



Vulcain 301M

Stand-Alone Dual Gas Monitor

For applications where gas detection is only needed at one or two points, the Vulcain 301M offers a simple solution. While continually monitoring for CO, a remote sensor can also be integrated to detect CO, NO₂, propane, hydrogen or methane with a remote sensor that can be placed up to 200' away.



Vulcain 90DM₄

Commercial CO₂ Detection

Using proven infrared dual sensing technology to detect carbon dioxide (CO₂) the Vulcain 90DM₄ can be either wall or duct mounted to monitor CO₂ levels in your commercial environment.

Honeywell