



Dual gas detection with stand alone unit
and a second remote sensor

Vulcain 301M stand-alone dual gas monitor



User Friendly

- Easy to install and operate

Versatility and Reliability

- Dual gas detection capability
- State-of-the-art sensing technologies

Security

- Two alarm levels (low and high) per sensor with independent SPDT fail-safe relays per alarm level
- Visual and audible alarm (at high level) indicators

Flexibility and Practicality

- Energy saving programmable time delay function
- Four dedicated relays
- Innovative and attractive enclosure design
- Optional display

The stand alone 301M gas detector continuously monitors for carbon monoxide (CO) with an on-board electrochemical sensor. A second remote sensor can be installed up to 500 feet / 152.4 m away to monitor for carbon monoxide, nitrogen dioxide, propane, hydrogen or methane.

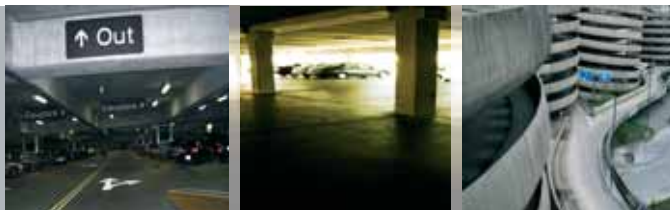
The advanced microprocessor-based Vulcain 301M system features a high quality controller, reliable sensing technology and a high-tech durable enclosure. The 301M represents another Honeywell Analytics innovation that redefines the standards of versatility, simplicity and cost-effectiveness in reliable gas detection.


Innovative Architecture

The result of extensive experimentation and the most rigorous testing, the 301M gas monitor's highly advanced enclosure is designed to provide maximum effectiveness and durability. The housing has been carefully conceived and constructed to allow optimal gas flow, ensuring precise detection.



Technical summary



General Specifications				
Use	Stand-alone CO detector with option for a second remote sensor for other potential toxic or combustible hazards.			
Size	21.3 x 13.4 x 5.7 cm (8.4 x 5.3 x 2.25 in.)			
Weight	0.35 kg (0.86 lb.)			
Power Requirement	17-27 Vac, 24-38 Vdc, 450 mA @ 24 Vdc (11 VA) or 110-120 Vac, 70mA @ 120Vac (8.4 VA)			
Relay Output Rating	5A, 100 Vdc or 250 Vac (resistive load)			
Alarm Levels	High and Low			
Audible Alarm	65 dBA at 1 m (3 ft.)			
Outputs	2 SPDT relays per zone			
Detection	Gases Detected	Detection Range	Accuracy	Operating Temperature Range
	Carbon Monoxide (CO) [internal]	0-250 ppm	0 - 90% RH, non-condensing	-20 to +50°C (-4 to +122°F)
	Carbon Monoxide (CO) [remote]	0-250 ppm	15 - 90% RH, non-condensing	0 to +40°C (32 to 104°F)
	Hydrogen (H ₂) [remote]	0-100% LEL	15 - 90% RH, non-condensing	0 to +40°C (32 to 104°F)
	Methane (CH ₄) [remote]	0-100% LEL	15 - 90% RH, non-condensing	0 to +40°C (32 to 104°F)
	Nitrogen Dioxide (NO ₂) [remote]	0-10 ppm	15 - 90% RH, non-condensing	0 to +40°C (32 to 104°F)
	Propane (C ₃ H ₈) [remote]	0-100% LEL	15 - 90% RH, non-condensing	0 to +40°C (32 to 104°F)
Sensing Technology				
	Electrochemical (NO ₂ , remote CO), Catalytic combustion (CH ₄ , H ₂)			
	Electrochemical (internal CO), Solid-state (C ₃ H ₈)			
Display				
Visual Indicators	Low alarm High alarm Failure indication Power	Distinct red LED Distinct red LED Yellow LED Green LED		
Ratings and Certifications				
Certified to	CAN/CSA C22.2 No. 61010-1  116662			
Conforms to	ANSI/UL 61010-1			

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