

Vulcain GasPoint II



Continuously monitor for toxic gases,
oxygen levels and combustible gas
hazards with high levels of precision

Vulcain GasPoint II toxic and combustible gas transmitter



User Friendly

- Self-performing zero adjustment

Security and Reliability

- Dual alarm levels
- Fail-safe relay contact closures

Durable Housing

- Explosion-proof (Class I, Div. 1)
- Built to withstand adverse conditions

Reliable Operation

- Integrated LCD display
- Secure non-intrusive calibration

Flexible Operation

- Robust RS-485 Modbus communication
- Interchangeable sensor type

Beneficial Options

- Optional infrared sensing technology available for combustible gases
- Duct type mounting kit available (not for use in hazardous locations)
- Remote sensing configuration and remote calibration feature available
- Optional 4-20mA analog output

The Vulcain GasPoint II is equipped with rugged explosion-proof housing and reliable field-proven sensor technology. The transmitter monitors for toxic gases, oxygen levels and combustible gas hazards in the harshest environments.

The Vulcain GasPoint II is engineered for operation under the most adverse industrial conditions. With smart sensing technology the GasPoint II's transmitter recognizes the interchangeable sensor type and adjusts to the selected gas. Depending on the instrument configuration, an internal clock can be used to measure the elapsed time of sensor use. Other features include display of the time remaining before calibration and self-performing zero adjustment—virtually eliminating downtime.



Key Features and Benefits

The Vulcain GasPoint II is equipped with secure non-intrusive calibration, fail-safe relay contact closures, dual alarm levels and explosion-proof enclosure (Class I, Div. 1).



Technical summary



General Specifications					
Use	Heavy duty, explosion-proof enclosure for use in adverse industrial gas detection situations				
Power Requirements	17-27 Vac, 18-38 Vdc, 380 mA @ 24 Vdc				
Size	19 x 16 x 11.5 cm (7.5 x 6.25 x 4.5 in.)				
Weight	2.1 kg (4.6 lb.)				
Relay Output Rating	5A, 30 Vdc or 250 Vac (resistive load)				
Sensing Technologies	Toxic Combustibles Oxygen CO ₂	Electrochemical Catalytic or Infrared Diffusion fuel cell Infrared			
Visual Indicators	Normal Operation Alarms Common Fault	Green LED Red LED Green LED Yellow LED			
Optional Outputs	RS-485, Modbus, 4-20 mA, 2 SPDT fail safe relays				
Display	Alphanumeric LCD display				
Gas Detection	Gases Detected	Detection Range	Operating Humidity Range	Operating Temperature Range	ATEX Approved
	Hydrogen Sulfide (H ₂ S)	0-50 ppm	0 - 90% RH, non-condensing	-40 to +40°C (-40 to +104oF)	√
	Carbon Monoxide (CO)	0-250 ppm	0 - 90% RH, non-condensing	-20 to +40oC (-4 to +104°F)	√
	Oxygen (O ₂)	0-25%	5 - 95% RH, continuous	-20 to +40°C (-4 to +104°F)	√
	Nitrogen Dioxide (NO ₂)	0-10 ppm	15 - 90% RH, non-condensing	-20 to +40°C (-4 to +104oF)	√
	Nitric Oxide (NO)	0-100 ppm	15 - 90% RH, non-condensing	-20 to +40°C (-4 to +104°F)	√
	Sulfur Dioxide (SO ₂)	0-10 ppm	15 - 90% RH, non-condensing	-20 to +40°C (-4 to +104°F)	
	Ethylene Oxide (ETO)	0-20 ppm	15 - 90% RH, non-condensing	-20 to +50°C (-4 to +122°F)	√
	Hydrogen Cyanide (HCN)	0-50 ppm	15 - 90% RH, non-condensing	-20 to +40°C (-4 to +104°F)	
	Ozone (O ₃)	0-2 ppm	15 - 90% RH, non-condensing	-20 to +40°C (-4 to +104°F)	
	Hydrogen Flouride (HF)	0-10 ppm	15 - 90% RH, non-condensing	-20 to +35°C (-4 to +95°F)	
	Hydrogen Chloride (HCl)	0-25 ppm	15 - 95% RH, non-condensing	-20 to +40°C (-4 to +104°F)	
	Silane (SiH ₄)	0-10 ppm	20 - 95% RH, non-condensing	-20 to +40°C (-4 to +104°F)	
	Chlorine (Cl ₂)	0-15 ppm	10 - 95% RH, non-condensing	-20 to +40°C (-4 to +104°F)	
	Combustibles - Catalytic	0-100% LEL	0 - 80% RH, non-condensing	-40 to +50°C (-40 to +122°F)	√
	Combustibles - Infrared	0-100% LEL	0 - 99% RH, non-condensing	-40 to +50°C (-40 to +122°F)	√
	Combustibles - Infrared	0-100% LEL	0 - 99% RH, non-condensing	-40 to 75°C (-40 to +167°F)	
	CO ₂ - Infrared	0-5%	0 - 99% RH, non-condensing	-20 to +50°C (-4 to +122°F)	√
	Fluor (F2)	0-2.6 ppm	15-90% non-condensing	-10 to +40C (14 to 104F)	
	Accuracy is ± 3%				
Ratings and Certifications					
Conforms to	UL Standard 1244 CE EEx d IIC T6, -40°C Ta +50°C** ATEX:  II 2 G KEMA 04 ATEX 1234** **pending				
Certified to	 Class I, Div. 1 Groups B, C, D				

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 301RLC



GasPoint II



Vulcain 201T



Vulcain 301W



Vulcain 301C



Vulcain 301EM

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 fulfil 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