



**Protection through stand-alone or
network configuration**

Vulcain SQN8x multi-point sample draw gas monitor



Safety Measures

- 3 alarm relays
- Audible alarm
- Early low level warning alarm
- Integrated flow loss surveillance

Reliability

- Wide area of coverage
- 2, 4 or 8 sample points
- Proven sensing technology
- Up to 2 gases


The new generation of the Vulcain SQN8x series combines long proven sensing capability with state-of-the-art pumping technology and constant, high accuracy to yield a highly reliable sample draw gas detection system.



The Vulcain SQN8x offers accurate monitoring of the presence of a wide variety of refrigerants or other toxic and explosive gases in a surveillance area of up to 8 different zones. A low maintenance diaphragm pump draws ambient air to the sensor from a maximum distance of 1000 feet. A high performance sequencer synchronizes the mechanics and the electronics so that the levels of detectable gases are properly registered for each of the 8 zones. The unit is fully operational from the box, making for simple, hassle-free installation. The new generation of SQN8x provides an excellent, cost-effective, centralized gas detection solution.

Technical summary



General Specification				
Use	Sample draw detector that rotates pumping in air samples from up to eight different locations and detects for possible gas hazards			
Size	19 x 13 x 3.75 in. (48 x 33 x 10 cm)			
Weight	26.5 lbs (12 kg)			
Power Requirement	24Vac, 0.74A			
Relay Output Rating	5A, 30 Vdc or 250 Vac (resistive load)			
Audible Alarm	110 dBA at 3 ft. / 1 m			
Alarm Levels	3 alarm levels			
Number of Sample Points	Up to 8, including 1/8" polymer tubing			
Outputs	3 DPDT relays (3 alarms level or 2 alarm levels and Fault) RS-485			
Operating Humidity Range	15-90% RH (non-condensing) toxics 0-99% RH (non-condensing) refrigerants			
Operating Temperature Range	32 °F to 100 °F / 0 °C to 40 °C			
Maximum Sampling Distance	1000 ft. / 305 m			
Visual Indicators	Normal Operation: Green LED Alarm Level 1: Red LED Alarm Level 2: Red LED Failure Indication: Yellow LED Aspirated Zone: Green LED			
Gases Detected	Gas Detected	Detection Range	Sensitivity	Accuracy
	Refrigerants: R11, R12, R22, R123, R125, R134A	0-1000 ppm	4 ppm	3%
	Carbon Monoxide (CO)	0-250 ppm	1 ppm	3%
	Nitrogen Dioxide (NO ₂)	0-10 ppm	0.05 ppm	3%
	Combustibles	0-100% LEL	0.5%	3%
	Oxygen (O ₂)	0-25%	0.1%	3%
	Carbon Dioxide (CO ₂)	0-2000 ppm, 0-5%	0.1%	3%
Sensing Technology				
Refrigerants	Infrared			
Toxic	Electrochemical			
Combustibles	Catalytic combustion			
Oxygen	Diffusion fuel cell			
Ratings and Certifications:				
Certified to	CSA STD. C22.2 No. 205  116662			
Conforms to	UL STD. 1244			

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 Analytics' 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 Analytics' 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.

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