Vulcain SQN8X

Protection through stand-alone or network configuration

Vulcain SQN8X
multi-point sample draw
gas monitor

The new generation of the Vulcain SQN 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.
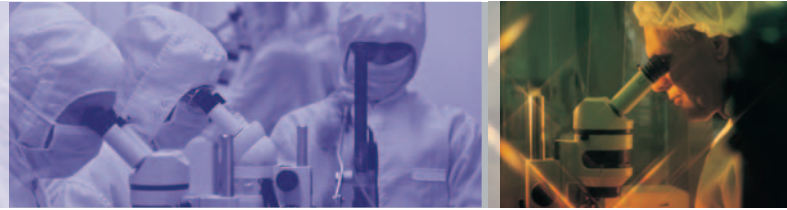
Safety Measures
- 3 alarm relays
- Audible alarm
- Early low level warning alarm
- Integrated flow loss surveillance

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

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.

Honeywell

Advanced Multi-Point Gas Monitor   Vulcain SQN8X
Moniteur de Gaz à Échantillonage Multiple

ZONE 1 R123
0 PPM

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 11.75 x 4.5 in. (48.3 x 30 x 11.4 cm)~~
Weight	~~22.4 lbs. (10.17 kg)~~
Power Requirement	24Vac, ~~1A~~
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	~~0-95% RH (non-condensing)~~
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	℅ C22.2 No 205
Conforms to	c(UL)us Standard 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 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, NO_2, propane, hydrogen or methane with a remote sensor that can be place up to 200' away.

Vulcain 90DM$_4$

Commercial CO_2 Detection

Using proven infrared dual sensing technology to detect carbon dioxide (CO_2) the Vulcain 90DM$_4$ can be either wall or duct mounted to monitor CO_2 levels in you commercial environment.

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