



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

Vulcain 201T gas detection transmitter



User Friendly

- 10-step LED display
- Proven sensing technology
- Easy installation and operation

Reliability

- Field-proven protection
- Robust RS-485 Modbus communication

Versatility

- Stand-alone or network configuration
- Full compatibility with the Vulcain 301C controller

Original Architecture

- Innovative and compact case design

Beneficial Options

- Optional 4-20 mA and one relay output
- Optional audible alarm and LCD display

The Vulcain 201T gas detection transmitter is designed to meet or exceed safety requirements in a variety of commercial and industrial applications.


The Vulcain 201T series transmitters are able to detect a wide range of toxic and explosive gasses. The Vulcain 201T gas detection transmitter can work in an addressable network mode with the Vulcain 301C controller through an RS-485 Modbus link. They can also be used in a stand-alone configuration with an optional 4-20mA or alarm relay outputs.

The catalytic sensors of the Vulcain 201T can be used to detect hundreds of different gasses and inflammable vapour concentrations. Toxic gasses are detected by way of electrochemical cells, while metal-air battery cells are used to detect oxygen. Moreover, a second generation of semi-conductor detectors offer a highly effective solution for a variety of different applications.



Technical summary



General Specification									
Uses	Work horse transmitter of a gas detection network to be used with the 301C controller providing a cost-effective solution to gas related hazards and energy management								
Power Requirement	17-27 Vac, 24-38 Vdc, 250 mA								
Size	8.4 x 5.3 x 2.25 in. (21.3 x 13.4 x 5.7 cm)								
Weight	0.88 lb (0.4kg)								
Display	10-step LED or LCD								
Visual Indicators	Failure Indication: Yellow LED (Available in network configuration only) Normal Operation: Green LED								
Relay Output Rating	5A, 30Vdc or 250 Vac (resistive load)								
Audible Alarm	65 dBA at 3 ft. / 1 m								
Optional Outputs	RS-485 Modbus, 4-20mA, Alarm relay								
Sensing Technology									
Q1-type Sensor	Toxic: Electrochemical Combustibles: Catalytic Oxygen: Diffusion fuel cell								
Q2-type Sensor	Refrigerants: Solid-state Carbon Monoxide: Electrochemical								
Detection	Gas Detected	Detection Range		Accuracy		Operating Humidity Range		Operating Temperature Range	
		Q1	Q2	Q1	Q2	Q1	Q2	Q1	Q2
	Carbon Monoxide (CO)	0-50 ppm 0-100 ppm 0-250 ppm (std) 0-500 ppm	0-250 ppm	+/- 3%	+/- 5%	0 - 90% RH non-condensing	10 - 95% RH non-condensing	-4 to 122°F (-20 to +50°C)	-4 to 122°F (-20 to +50°C)
	Nitrogen Dioxide (NO ₂)	0-10 ppm	—	+/- 3%	—	15 - 90% RH, continuous	—	-22 to 122°F (-30 to +50°C)	—
	Oxygen (O ₂)	0-1 ppm	—	+/- 3%	—	5 - 95% RH continuous	—	-4 to 131°F (-20 to +55°C)	—
	Combustibles	0-100% LEL	0-100% LEL	+/- 3%	+/- 5%	—	0 - 95% RH, non-condensing	—	14 to 104°F (-10 to +40°C)
	Refrigerants (R11, R12, R22 and R134a)	—	0-2000 ppm (N/A for R123)	—	+/- 10%	—	40 - 100% RH non-condensing	—	32 to 122°F (0 to +50°C)
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 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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