



The catalytic sensors of the 201T can be used to detect hundreds of different gases and inflammable vapour concentrations

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



User Friendly

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

Reliable

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

Versatile

- Stand-alone or network configuration
- Full compatibility with the Vulcan 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 201T series transmitters are able to detect a wide range of toxic and explosive gases. The 201T gas detection transmitter can work in an addressable network mode with the 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 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.

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	7-27 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	—	+/- 3%	+/- 5%	—	0 - 95% RH, non-condensing	—	4 to 104°F (-10 to +40°C)
	Refrigerants (R134a)	—	0-2000 ppm	—	+/- 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								

Find out more

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