



# GAS AREA AND POSITIONING

## TOXIC

GAS		AREA		LOCATION
Ammonia	NH <sub>3</sub>	7500 sq. ft.	775 M <sup>2</sup>	.50 to 1.50 feet below ceiling
Carbon Monoxide	CO	7500 sq. ft.	775 M <sup>2</sup>	3.0 to 6.0 feet above floor
Chlorine	CL <sub>2</sub>	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
Chlorine Dioxide	CLO <sub>2</sub>	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
Hydrogen	H <sub>2</sub>	7500 sq. ft.	775 M <sup>2</sup>	.50 to 1.50 feet below ceiling
Hydrogen Chloride	HCL	5000 sq. ft.	525 M <sup>2</sup>	4.0 to 6.0 feet above floor
Hydrogen Cyanide	HCN	5000 sq. ft.	525 M <sup>2</sup>	4.0 to 6.0 feet above floor
Hydrogen Sulphide	H <sub>2</sub> S	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
Nitric Oxide	NO	7500 sq. ft.	775 M <sup>2</sup>	4.0 to 6.0 feet above floor
Nitrogen Dioxide	NO <sub>2</sub>	7500 sq. ft.	775 M <sup>2</sup>	.50 to 1.50 feet above floor
Oxygen	O <sub>2</sub>	7500 sq. ft.	525 M <sup>2</sup>	4.0 to 6.0 feet above floor
Ozone	O <sub>3</sub>	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
Sulphur Dioxide	SO <sub>2</sub>	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor

## COMBUSTIBLES

GAS		AREA		LOCATION
Acetylene	----	5000 sq. ft.	525 M <sup>2</sup>	4.0 to 6.0 feet above floor
Diesel	----	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
Ethane	----	5000 sq. ft.	525 M <sup>2</sup>	4.0 to 6.0 feet above floor
Gasoline	----	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
Hydrogen	H <sub>2</sub>	7500 sq. ft.	775 M <sup>2</sup>	.50 to 1.50 feet below ceiling
Methane	CH <sub>4</sub>	7500 sq. ft.	775 M <sup>2</sup>	.50 to 1.50 feet below ceiling
Propane	C <sub>3</sub> H <sub>8</sub>	7500 sq. ft.	775 M <sup>2</sup>	.50 to 1.50 feet above floor
N-Butane	----	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
N-Octane	----	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor
N-Pentane	----	5000 sq. ft.	525 M <sup>2</sup>	.50 to 1.50 feet above floor

## INFRARED / REFRIGERANTS

GAS	AREA	LOCATION
Refrigerants	7500 sq. ft. 775 M <sup>2</sup>	1 foot above floor

## NDIR SENSOR

GAS	AREA	LOCATION
Carbon Dioxide CO <sub>2</sub>	7500 sq. ft. 775 M <sup>2</sup>	4.0 to 6.0 feet above floor

Area coverage is under ideal conditions and subject to change (decrease) for various reasons.

The presence of walls, cavities, floor or ceiling openings between levels etc. all affect the quantity and placement of sensors. The presence of air inlets, exhaust fans, general turbulence or dead air zones all affect the quantity and placement of sensors. The likelihood of gas leaks or infiltration as well as potential point of entry or emission all affect the quantity and placement of sensors. The intended use of the area, is it to be occupied or storage, subject to air changes etc.



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Automation Components, Inc.

