



Application

Oil & Gas	<p>Function: Safety monitoring for refineries, drilling and storage. Typical Gases: HC, H₂S Monicon detectors: S500, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
Chemical & Manufacturing	<p>Function: Personnel Protection from potentially lethal substances being produced. Typical Gases: HC, H₂S Monicon detectors: S500, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
Laboratories	<p>Function: A variety of toxic and combustible gases are routinely used within the laboratory environment for storage of organic material, use by specialist analytical instruments such as gas chromatographs and for use in work stations for use by laboratory technicians. Typical Gases: H₂, CH₄, N₂, Ar, H₂S, CO, O₂ Monicon detectors: S500, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
Semiconductor Manufacturing	<p>Function: Personnel and plant protection in chemical vapour deposition, ion implantation, metaloxide vapour deposition, doping, laser etching and storage. Typical Gases: HC, Cl₂, HCl, HCN, SO₂, PH₃, SiH₄, AsH₃, H₂, HF, O₂ Monicon detectors: CGS500, T100, S500 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
Controls	<p>Function: Building Monitoring Systems, Ventilation control in office blocks, factories and other large buildings Typical Gases: CO₂ Monicon detectors: IR80 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
Car Parks & Tunnels	<p>Function: Personnel protection and ventilation control Typical Gases: CO Monicon detectors: T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
Water/Sewage Treatment	<p>Function: Personnel and plant protection in water and wastewater treatment plants. Typical Gases: HC, H₂S, O₂, Cl₂, O₃, CH₄ Monicon detectors: S500, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>



<p>Telecoms</p>	<p>Function: Personnel and plant protection in tunnels and switchgear facilities Typical Gases: HC, CO, H₂S Monicon detectors: CGS500, T100, S500 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Agriculture</p>	<p>Function: Fruit ripening, mushroom farming, slurry processing Typical Gases: CO₂, H₂S, C₂H₄ Monicon detectors: IR80, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Brewing & Beverage</p>	<p>Function: Personnel protection in fermentation areas and cellars Typical Gases: CO₂, O₂, NH₃ Monicon detectors: IR80, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Landfill</p>	<p>Function: Personnel & plant protection from gas ingress from Landfill sites Typical Gases: CO₂, CH₄, H₂S, O₂ Monicon detectors: IR80, CGS500, T100, S500 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>General Safety</p>	<p>Function: Personnel and plant protection in boiler rooms, refrigeration, laboratories, iron & steel, car engine testbeds, catering kitchens, universities, cryogenics Typical Gases: NH₃, Cl₂, HC, CO, O₂ Monicon detectors: IR100, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Fuel Storage</p>	<p>Function: Strict guidelines govern the transport and storage of fuel. Gas detection is important as chemicals being used are highly flammable substances. Typical Gases: HC's, CH₄, C₃H₈ Monicon detectors: IR100, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Cold Storage</p>	<p>Function: Ammonia is a widely used refrigerant due to its low cost. Governments have developed standard for different applications to ensure safety to both workers and the environment when refrigerants are used. Typical Gases: NH₃ Monicon detectors: CGS500, T100, S500 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Fruit Ripening</p>	<p>Function: Ethylene is used in the fruit ripening Trade to promote growth. Thus gas monitoring is required in case this gas reaches combustible levels. Typical Gases: C₂H₄ Monicon detectors: CGS500, S500 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>



<p>Packaging</p>	<p>Function: Nitrogen is used to evacuate oxygen in air tight packaging. Nitrogen is a toxic substance. Typical Gases: N₂ Monicon detectors: T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Food Processing</p>	<p>Function: Personnel and plant protection in the food industry from any potential harmful chemicals being used. Typical Gases: O₂, N₂ Monicon detectors: S500, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Chlorination Plants</p>	<p>Function: An ambient monitoring system for personnel protection in the event of a chlorine leak. Typical Gases: Cl₂ Monicon detectors: T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Refineries / Pipelines</p>	<p>Function: Protection from potentially explosive gases produced in refineries. Typical Gases: HC's, H₂S Monicon detectors: S500, CGS500, T100 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>
<p>Green Houses</p>	<p>Function: CO₂ accelerates plant growth. Controlling and monitoring the concentration using a Carbon Dioxide CO₂ gas sensor improves the growth rate and quality of plant development. Typical Gases: CO₂ Monicon detectors: IR80 Monicon controllers: Single Channel, 4 Channel, Multichannel</p>