



FIXED GAS SOLUTIONS



CONCEPT
CONTROLS

A Paradigm HSE Company



Valley Technologies LTD.
GAS DETECTION SPECIALISTS

EXPERIENCE & EXPERTISE YOU CAN RELY ON

Our goal is to make your job easier and steer you clear of unforeseen problems and costs. Whether you are in need of detection specifications, upgrades, or consultation on the most appropriate make and model of equipment, our experienced staff and certified electricians can provide consultation during the building design process prior to tender, purchasing, installing, upgrading, and recommend the best products for your application. They will also ensure that the placement of the equipment is appropriate and that the installation procedure goes smoothly.



With our gas detection systems and regular calibrations, we will ensure that your workplace is free of toxins & noxious pollutants and complies with Occupational Health and Safety Standards.



FIXED GAS DETECTION: A COMPLETE SOLUTION

A fixed gas solution that incorporates sensors, transmitters, and controllers offers several advantages to businesses and industries that handle hazardous gases. With our wide selection of manufacturers, we offer the most up to date solutions to match and exceed your applications. From underground parking garages, to hospitals and boiler rooms, we help businesses operate more safely, efficiently, and sustainably.

High-Level Safety

First, a fixed gas solution provides a higher level of safety for workers and the environment. By continually monitoring gas levels and warning workers when levels become dangerous, the risk of accidents and injuries can be reduced.

This proactive approach not only safeguards employees but also helps maintain uninterrupted operations in critical industrial environments.

Greater Efficiency

Fixed gas solutions provide a more efficient and cost-effective way to manage gas levels. These solutions can be integrated with building management systems, allowing for real-time monitoring and automatic adjustments to gas levels. This, in turn, helps reduce the costs associated with manual monitoring and maintenance. Additionally, these solutions can help identify areas of inefficiency, which can be addressed to optimize gas usage and reduce waste.

Regulatory Compliance

Fixed gas solutions can help businesses comply with regulatory requirements by providing accurate data on gas levels and emissions. This helps businesses ensure that they are meeting compliance standards and avoid costly penalties. Furthermore, these solutions can provide valuable data that can be used to identify areas for improvement and help businesses develop more sustainable practices.



AREAS OF GAS DETECTION SERVICE

Arenas
Automotive Dealerships
Mechanical Rooms
Chemical Storage
Swimming Pools
Oil and Gas
Parking Garages
Warehouses

TRUST THE CALIBRATION EXPERTS

We recommend scheduled calibrations to ensure sensors are working optimally. Certain types of sensors will drift towards either greater or lower sensitivity as they age. Sensors that drift towards greater sensitivity result in the ventilation system unnecessarily running more often, increasing energy costs. Sensors that drift into lower sensitivity result in the ventilation system responding slowly to toxic amounts of gas in the air, creating a health and safety issue.

When we do calibrations, we apply a test gas to the sensor and make the required adjustments to the detector to keep it operating at the optimum efficiency. This results in a safe and healthy building that has the highest level of energy efficiency. Frequent calibration also keeps the detectors operating at their

optimum level. Generally this will produce longer sensor life, reducing the capital expenditures of replacing the sensors and creating tangible savings due to lower utility and operating costs.

We also realize that other factors in addition to model and age of equipment may impact the calibration schedule, such as operating conditions. By looking at all the factors that affect sensors, including the number of detectors providing coverage, we advise on an appropriate calibration schedule—two, three, and four times annually, or more frequent in demanding applications.

Safety of the public, on-site personal health, and building health are our number one priority.

WE PROVIDE CALIBRATION, FUNCTION TESTING, AND CERTIFICATION THAT FULFILLS REGULATORY REQUIREMENTS FOR VARIOUS FACILITIES

Parking Structure	Chiller Room
Loading Dock & Warehouse	Compressed Gas Storage Area
Battery Charging Station	Commercial Kitchen
Vehicle Repair Shop	Indoor Stadium & Arena
Ambulance Bay	Hockey & Curling Rink
Hospital and Laboratory	
Boiler Room	





Honeywell

Honeywell manufactures a full and comprehensive range of gas detection products dedicated to all types of industrial facilities, from smaller boiler rooms to large petrochemical plants and oil refineries.

Honeywell's wide range of technologies and devices – gas detectors, flame detectors, natural gas alarms – provide exceptional protection at every level,

ensuring the most favorable coverage, detection, hazard mitigation, and life protection.

Get the specific gas detection product you need and benefit from quality, functionality, and ease of use. Wherever hostile environments exist, Honeywell will make it a safer workplace for everyone.



**E3Point
E3-SM**



**Manning EC-FX-NH3 Sensor and Transmitter
EC-FX-NH3**



301C Controller



XNX Universal Transmitter



Belimo is the global market leader in the development, production, and sales of field devices for the energy-efficient control of heating, ventilation, and air-conditioning systems. The focus of their core business is on damper actuators, control valves, sensors, and meters. Founded in 1975, the company employs over 2,300 people and has been listed on the Swiss Exchange (SIX) since 1995.

The quality of Belimo's worldwide production facilities is confirmed by various certifications and standards achieved. Their company procedures ensure that their products are top quality, extremely reliable, and competitively priced. The certificates awarded to their worldwide production facilities confirm this.



**Gas Monitor
22G02-5A**

**Splash-proof
enclosure
A-22G-A13**



Critical Environment Technologies (CET) stands at the forefront of the industry, specializing in the design, manufacturing, and servicing of advanced gas detection and indoor air quality systems. With a diverse portfolio exceeding 100 different products, their solutions are deployed across all states, provinces, and over 20 countries worldwide. Continuous innovation drives their product development, ensuring their equipment remains at the forefront of an ever-evolving sector. Their unwavering dedication to customer satisfaction, as well as health, safety, and environmental stewardship, underscores their commitment to excellence in every aspect of their operations.



cGas Detector Digital Transmitter



CXT2 Explosion Proof Transmitter





A pioneer in the gas detection industry, Armstrong Monitoring is dedicated to pushing the boundaries of innovation in environmental monitoring technology. Their journey began with a shared vision of creating cutting-edge solutions that empower industries to make informed decisions to ensure the safety of building occupants and protect valuable assets.

The company is on a mission to revolutionize the way industries approach environmental monitoring, and they believe that precise data is the cornerstone of effective decision making. They are committed to providing accurate, reliable, and real-time monitoring solutions that empower our clients to take action with confidence.



AMC-1DBx Digital Gas Monitor
AMC-1DBX



Standalone Vehicle Exhaust (CO/NO₂) Monitor with ADAPTiCal™
AMC-1BVC



Combination CO/NO₂ Sensor Module
AMC-1222



Founded in 1986, Quatrosense Environmental LTD. (QEL) manufactures and markets a wide selection of instrumentation for hazardous gas detection. Its equipment assists their customers protect life, property, and environment.

QEL focuses on developing Indoor air quality and refrigerant leak gas detection products that produce large volumes of sales. It has also developed specialized equipment and turnkey systems for numerous markets including the Mining,

Petrochemical, Breweries, and Landfill Industry. New gas sensors, design, and packaging improvements increased the quality and reliability of the industrial products throughout the 1990's.

QEL strongly values customer feedback. This feedback fuels new projects, new product development, and product improvements. The company is dedicated to evolving and enhancing its brand to make it as valuable as possible for its customers.



Q8 Series Explosion Proof Gas Detector



B5 Series MS/TP BACnet® Toxic or Combustible Gas Transmitter



M-CONTROLLER Series Universal 40 Sensor Digital-Analog Controllers



AirTest was founded by George Graham in 1996. He knew there was an opportunity to make the workplace safer and more efficient with gas sensors.

AirTest boasts a product portfolio of over 300 sensor products that can be configured to work with any monitoring or building control system.

With a keen eye for cutting-edge technology and a drive to continue innovating, AirTest is empowering the transition to Net Zero with a measured approach to sustainability.



Air Quality Sensor
TR-2000-DIGI



Federal Signal is the leader in innovative equipment, signaling products and communication and security systems that keep workers, first responders, and our communities safe and secure.

Since their first outdoor siren in 1917 to their first police car beacon in 1948, Federal Signal has never stopped

seeking better ways to improve safety and reduce the risk for customers. Their global reach and commitment to safety and security is what drives their innovative spirit. The experience of their product design teams, engineers, customer, and technical support staff makes them a trusted partner around the world.



SLM100 StreamLine®
Modular Multifunctional
LED Beacon

SLM700 StreamLine®
Modular Electronic
Sounder



VFD SOLUTIONS

We sell a large spectrum of VFD equipment for a variety of applications, both commercial and industrial. Each application is individually assessed to determine the best product match for you. We are committed to quality products that last from trusted manufacturers. Preserve the equipment's lifespan for as long as possible with regular Preventative Maintenance by factory-trained technicians.



Mitsubishi Electric HVAC Drive
F800



Teco Westinghouse Heavy Duty AC Drive
A510



Lenze AC Tech SMVector
ESV222N02YXB



Benshaw RB2 Open Chassis Soft Starter
with MX2 Technology



Teco Westinghouse RLSeries Reactors

CERTIFIED SERVICE

The commitment doesn't end once a purchase is complete. With a National Technical Support program, a vast network of factory-trained technicians, and comprehensive calibration and testing programs, we continue supporting customers to make sure all equipment and instrumentation is in optimal working order.

Regular service prolongs the life of equipment, as issues can often be identified and corrected before they turn into costly repairs. Scheduled equipment service programs mean fewer equipment purchases, while effectively protecting the most valuable asset — your workers.

- Commercial and industrial applications
- Factory certified & authorized service center
- Factory trained & authorized technicians
- Free consultations on systems design for problem free installations
- Installation, commissioning, and retrofit services
- In stock parts available for immediate repair or replacement

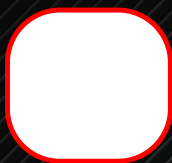
Give us a call today!

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