



Fixed Gas Monitors

Gas Detection System MGD-100



**MGD
Standard
Housing**

Ideal for Chiller Rooms, Supermarkets, Brewing and Bottling Facilities, Industrial Refrigeration, Arenas, Food Storage and Processing Facilities.

Features & Benefits:

- Stand-alone, out-of-the-box solution with quick and easy installation - the most cost-effective system available.
- Fast-response sensors detect leaks quickly, which minimize refrigerant gas usage and environmental impact.
- Infrared (NDIR) CO₂ detection
- Long-life semiconductor sensors for detection of all refrigerants, ammonia, halocarbons, combustibles & VOCs
- Robust design allows units to be placed directly in areas where detection is needed.
- Available in a variety of housings, including IP66 and duct mount.
- Select from 1, 2, 4 or 6 remote sensors and 1 or 2 pre-set alarm levels, which can be connected to BMS systems.

Flexible and Dynamic Continuous Monitoring

Bacharach's MGD-100 Series is a robust and scalable gas detection system used for reliable real-time monitoring of refrigerant, combustible, and toxic gases. It's a stand-alone system that alarms when pre-set thresholds are exceeded. The MGD-100's alarms are monitored by a centralized controller, which can alert personnel of potential hazardous conditions via an onboard buzzer and LED alarm indicators.

MGD-100 Systems can be configured from single-sensor, one-alarm level systems to larger scale systems consisting of 6 sensors with 2 alarm levels. This flexibility allows the platform to be used for both small and large systems. Optional MGD-100 housings are shown below:



**MGD
Controller**



