Products and performance

GfG Instrumentation

GfG is a worldwide manufacturer of portable and fixed gas detection solutions.

For over 50 years, GfG has specialized in the development and manufacturing of high quality, robust and safe gas warning systems and sensors.

High quality, reliable products, excellent service, and the best cost of ownership of any gas detection products on the market!

"Technology for people and the environment."
GfG Instrumentation
Certified quality

GfG Instrumentation
Exceptional designs with best cost of ownership in the gas detection industry
Worldwide Supplier of Gas Detection Solutions

GfG Instrumentation
Technological leadership

G450 and G460
Multi-gas detectors
Worldwide Supplier of Gas Detection Solutions

GfG Instrumentation
World-wide reach

- Production plants
- Sales companies
GfG Instrumentation
Technology based solutions for unique applications

Gas detection solutions
- Sewage treatment
- Gas industry
- Coal and steel industry
- Automotive industry
- Facility protection
- Fire brigade
- Food industry
- Chemical and
Petrochemical industry
GfG Instrumentation
Best sensor warranties, best product support, best customer value!

Reliable technology
• Portable gas detectors
• Fixed gas detection systems
• Aqueous measurement systems
Portable gas detectors

Single-gas detectors

Compact and rugged Micro IV single-gas detectors are the perfect solution for monitoring toxic gases, vapors and oxygen.

- Carbon monoxide
- Hydrogen sulfide
- Sulfur dioxide
- Chlorine
- Hydrogen cyanide
- Nitrogen dioxide
- Nitric oxide
- Ethylene oxide
- Ammonia
- Chlorine dioxide
- Ozone
- Hydrogen
- Phosphine
- And many more!
Worldwide Supplier of Gas Detection Solutions

**Micro IV**

Single-gas detector for toxic gases, hydrogen and oxygen.

With data-logger, memory, infrared interface and Smart sensor technology.

Worldwide Supplier of Gas Detection Solutions

**Comprehensive Accessories**

Docking and data interface stations, motorized pumps, probes, calibration kits and everything else you need to use and maintain your instruments.
Portable gas detectors

Multi-gas detectors

GfG multi-gas instruments are compact, reliable and simple to operate.

Loud audible and bright visual alarms give immediate warning of up to 6 gas hazards at the same time.
G460
Available with PID Smart-Sensor for broad-range VOC measurement

G460
Available with proprietary IR sensor for simultaneous CO₂ and combustible gas measurement
Worldwide Supplier of Gas Detection Solutions

**DS 400 Docking Station**

The innovative DS 400 provides a completely automatic test, calibration and record keeping system for your GfG instruments.

Worldwide Supplier of Gas Detection Solutions

**Comprehensive Accessories**

Calibration kits, motorized pumps, probes, carrying cases and everything else you need to use and care for your instruments
Fixed gas detection systems
Comprehensive line of fixed transmitters and controllers able to detect over 500 gases
Fixed gas detection systems
GMA 200 Programmable Logic Controller

GMA 200 Programmable Logic Controller provides complete flexibility for system architecture.

GMA-Bus
Loop cabling at digital transmission
TRM-Loop-Bus (Bus1+2)
**Worldwide Supplier of Gas Detection Solutions**

### DIN rail mounted controllers

GMA 40 Series controllers are flexible, cost-effective control units for one to four transmitter systems.

GMA 40 Series can be clipped directly onto standard DIN rails in switchgear cabinets.

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### Wall-mount controllers

Complete control systems for wall mounting. Switchgear cabinets or additional housings are not necessary.

GMA 200 series controllers provide a complete fixed gas detection system for a wide range of different flammable and toxic gases, and oxygen.

Multiple measuring points can be monitored at the same time.

All transmitter types can be attached.
19" Rack mount controller cabinets
GMA100 and GMA300 series are rack-mounted microprocessor-based control and monitoring systems for all measurement tasks.

Fixed System Gas Measurement Transmitters
- Combustible gases (EX)
- Toxic gases (TOX)
- Oxygen (OX)
Worldwide Supplier of Gas Detection Solutions

Catalytic LEL Transmitters
Combustible gases (EX)

IR-29 transmitters for LEL gases (EX)
Proprietary infrared technology provides readings based on up to four different wavelengths at the same time

Intrinsically safe IR-29 infrared sensors are extremely sensitive, stable, and cannot be harmed by sensor poisons

Able to measure wide variety of combustible gases including aromatic VOCs, alcohols and acetylene as well as saturated gases such as methane, butane and hexane

Intrinsically safe IR-29 transmitters can measure heavy LEL range vapors such as diesel and jet fuel that are not measurable by any other technology
Transmitters for toxic gases

- Electrochemical (EC)
- Charge Carrier Injection (CI)
- Chemosorption (CS)
- Infrared (IR)

Toxic gas transmitters (TOX)

EC-28 Series of highly configurable toxic gas transmitters can be equipped with exactly the right sensors, displays, relays and local alarms needed for the application.
Transmitters for oxygen

- Zirconium dioxide (ZD)
- Electrochemical (EC)

Fixed gas detection systems

GfG CI-21 Ammonia and ZD-21 Oxygen transmitters provide spectacular performance based on unique, proprietary long-lived sensor technology.
Worldwide Supplier of Gas Detection Solutions

Stand-alone systems
GfG Dynaguard systems include the transmitter and controller in a single integrated easy to install, cost-effective wall-mounted unit.

Aqueous measurement systems
GfG MiniCal systems provide real-time measurement of the ammonia concentration in the coolant loops of large refrigeration systems.
**MiniCal III**

The MiniCal III system was designed especially for detection of ammonia leakages in cooling circuits. This robust and practical system can be used in water as well as in glycol brine circuits.

The MiniCal III uses ion selective membranes and gas sensing electrodes for reliable real-time detection of ammonia leaks.

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**Variocon 2010**

GfG Variocon systems provide real-time aqueous pH values, redox readings, and chlorine and ozone measurements.
Real-time Air Monitoring (RAM)
Fully portable and wall mounted panels for CO monitoring and purification of compressed breathing air

Real-time Air Monitoring (RAM)
Stationary compressor and wall mounted panels for CO, oxygen and dew-point measurement
Worldwide Supplier of Gas Detection Solutions

Customer service & Support
The best in the industry!

GfG Instrumentation
The people and the products are what makes the difference!
Thank you for your attention!