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GfG Instrumentation

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

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

GfG's focus is on developing products that are easy to use, maintain, and heighten safety standards for the protection of workers in hazardous environments.

"Technology for people and the environment."
Slide 4

Worldwide Supplier of Gas Detection Solutions

GfG Instrumentation
Exceptional designs with best cost of ownership in the gas detection industry

Slide 5

Worldwide Supplier of Gas Detection Solutions

GfG Instrumentation
Technological leadership

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Worldwide Supplier of Gas Detection Solutions

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

GfG Instrumentation

World-wide reach

• Production plants
• Sales companies

Technology based solutions for unique applications
Slide 10

Gas detection solutions
- Sewage treatment
- Gas industry
- Coal and steel industry
- Automotive industry
- Facility protection
- Fire brigade
- Food industry
- Chemical and petrochemical industry

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Worldwide Supplier of Gas Detection Solutions
GfG Instrumentation
Best sensor warranties, best product support, best customer value!

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Reliable technology
- Portable gas detectors
- Fixed gas detection systems
- Transmitter and controller systems
- Calibration services
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!

Micro IV
Single-gas detector for toxic gases, hydrogen and oxygen. With data logger, memory, infrared interface and Smart sensor technology.
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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.

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Worldwide Supplier of Gas Detection Solutions

Portable gas detectors
Multi-gas detectors

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Multigas detectors

GfG multigas 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.
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G460
Available with PID Smart Sensor for broad range VOC measurement.

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G460
Available with proprietary IR sensor for simultaneous CO₂ and combustible gas measurement.

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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 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
- Controllers
- Transmitters
- Stand-alone systems
Slide 25

Fixed gas detection systems
GMA 200 Programmable Logic Controller

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Fixed gas detection systems
GMA 200 Programmable Logic Controller provides complete flexibility for system architecture
Loop cabling at digital transmitter
GMA Bus
TRM - Loop Bus (Bus1+2)

Slide 27

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 detected.

Slide 29

Rack mount controller cabinets:
- GMA100 and GMA300 series are rack-mounted microprocessor-based control and monitoring systems for all measurement tasks.

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Fixed System Gas Measurement
- Combustible gases (EX)
- Toxic gases (TOX)
- Oxygen (OX)
Slide 31

Worldwide Supplier of Gas Detection Solutions

Catalytic LEL Transmitters

Combustible gases (EX)

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Worldwide Supplier of Gas Detection Solutions

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 a 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.

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Worldwide Supplier of Gas Detection Solutions

Gesellschaft für Gerätebau GmbH

Transmitters for toxic gases

- Electrochemical (EC)
- Charge Carrier Injection (CI)
- Chemosorption (CS)
- Infrared (IR)
Toxic gas transmitters (TOX)

The EC-28 series of highly configurable toxic gas transmitters are equipped with sensors that are suitable for a variety of applications.

Transmitters for oxygen

- Zirconium dioxide (ZD)
- Electrochemical (EC)

Fixed gas detection systems

- GfG CI-21 ammonia and CI-21 oxygen transmitters
- Spectacular detection performance based on unique proprietary long-term sensor technology.
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.

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Gesellschaft für Gerätebau GmbH

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.
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.
Customer service & Support
The best in the industry!