

# MGA-3800

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## Multi Gas Analyzers



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Product Overview

MGA3800 series gas analyzer is a data collector which can quickly acquire and analyze gas concentration components in scientific research, university and complex working environment. MGA3800 gas analyzer can detect up to 18 gases simultaneously. It can integrate electrochemistry, catalysis, thermal conductivity, infrared, light ion, ultraviolet and other detection principles, focusing on the accuracy of gas detection and user experience.

## ►► Product Advantages

### Accurate and Reliable

- Using world top brand sensors, the test results are more reliable and can be certified by third party authorities
- Multiple industrial pump gas sampling, ten grades of pumping flow rate for selection.
- Gas detection flow can be customized according to different testing environments. Each module is equipped with multi-layer filtering device, which can filter oil, water, dust and other impurities efficiently.

### Multi-display Mode

- Single curve, multi-curve, data and other gas concentration display mode are switchable
- Various gas concentration units can be shifted freely



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### Comprehensive Functions

- Modular internal structure, supporting 1-18 gas detection requirements
- Simple and quick screenshot settings
- Monitor the temperature, humidity, pressure at the same time(Optional)
- Analyzer can be equipped with internal printer or external Bluetooth printer, to realize the mobile print function(Optional)
- High temperature, high humidity environment measurement(Optional)

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### Data Logging

- Large capacity quick storage function, storage space can be customized
- An independent SD memory card, historical tested data can be viewed and deleted

### Mobile recharging and long operation time

- High capacity of lithium polymer rechargeable battery, super long service life and standby time
- Mini-USB charging interface design with common data cable and mobile power can be charged anytime, anywhere

### High quality material

- 3.5-inch hd LCD screen with resolution 320\* 480, beautiful and useful menu interface
- Selected aviation wear-resisting material, suitable for various kind of industry environment

## ►► Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Agricultural & Environmental Protection



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Other Industries

## ►► Accessories & Configuration List

### Standard Accessories

- Instruction
- Qualification certificate
- warranty card
- a Micro-USB cable
- a water,vapour,smoke filter
- an intake sampling rod
- 600mm tube
- Non - toxic, tasteless, explosion-proof, waterproof, heat - resistant, high - temperature resistant, corrosion resistant suitcase (1 set)



## ►► Specifications:

<b>Size</b>	(H x W x D) 260*230*120mm
<b>Weight</b>	3700g
<b>Battery</b>	Large capacity rechargeable lithium battery, 5400mAh/11.1V (internal printer type) or 10000mAh/3.7V (external printer type) working hours are more than 32h with single gas and 24h with six gases together
<b>Precision</b>	≤±2%F.S (Higher precision can be customized)
<b>Temperature and humidity measurement</b>	Temperature: -20-50°C, Resolution: 0.1°C; Humidity: 0-99%RH, Resolution: 1%RH
<b>Pump flow rate</b>	10 grades adjustable, flow range: 0-500 cc/Min.
<b>Humidity</b>	0~95%RH (no condensation) (optional filter device is available if high humidity)
<b>Temperature</b>	-40°C~+70°C, Optional gas sampling gun, can detect up to 1200 degrees gas concentration
<b>Screen</b>	3.5-inch hd LCD screen with resolution 320* 480
<b>Degree of protection</b>	IP65
<b>Warranty</b>	12 months
<b>Explosion-proof</b>	Ex ic IIC T3 Gc

## ►► Ordering Information:

<b>Detecting gas</b>	CO <sub>2</sub> , CO, HC, O <sub>2</sub> , NO, NO <sub>2</sub> , SO <sub>2</sub>
<b>Sensors</b>	Electrochemistry(O <sub>2</sub> , NO, NO <sub>2</sub> , SO <sub>2</sub> ), Infrared Ray(CO <sub>2</sub> , CO), PID(HC)
<b>Measure range</b>	O <sub>2</sub> : 0-25%VOL, CO: 0-10%VOL, CO <sub>2</sub> : 0-20%VOL, HC: 0-10000ppm, NO: 0-5000ppm, NO <sub>2</sub> : 0-5000ppm, SO <sub>2</sub> : 0-5000ppm
<b>Resolution</b>	1ppm(HC, NO, NO <sub>2</sub> , SO <sub>2</sub> ), 0.01%VOL(O <sub>2</sub> , CO <sub>2</sub> , CO)
<b>Display</b>	Formula, gas concentration data, measurement trend curve, gas curve, battery, time, temperature, humidity, pressure (optional), pump condition, wireless status, printer status, screen shot status

## ►► Key Features:

<b>Alarm</b>	Buzzer, red LED and alarm status on the display, fault alarm, pump abnormal alarm, low battery alarm
<b>Data storage</b>	Independent SD memory card, Max.32G, measurement data can be record automatically, customizable record time interval.
<b>Data transmission</b>	With the U-disk, can download storage, analyze and print data
<b>Print function(Optional)</b>	Optional with internal portable printer or external bluetooth printer
<b>Print content(Optional)</b>	Text, graphics, one-dimensional code, two-dimensional code, curves, characters, etc.
<b>Charger</b>	Standard Mini-USB charging port. With 13V/2A special charger (built-in printer) or 5V/2A universal charger (external printer )
<b>Language</b>	English
<b>Network frequency</b>	2.4G high frequency.

## ►► Project Cases



▲  
Used in mines, tunnel engineering site



▲  
Used in Large oil refinery and metallurgical plant, etc.



▲  
Application in university laboratory, research institute, etc.



▲  
Applied in Inspection and quarantine bureau, hospital, etc.

## ►► More Application

- Furniture, Floor, Wallpaper, Coating, Gardening, Interior Decoration and Renovation, Dye-stuff, Papermaking, Pharmacy, Health Care, Foodstuff, Antiseptic.
- Disinfection, Chemical Fertilizer, Resin, Adhesive, Pesticide, Raw Material, Sample, Technological Process, Livestock Farm, Refuse Processing Plant, Perm Place.  
Bio-pharmaceutical Plant, Green Household, Livestock Breeding, Green House Cultivating,
- Warehouse Logistics, Brewing And Fermentation, Agricultural Production.



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



UV/VIS  
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Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



 **Analytical**<sup>®</sup>  
Technologies Limited

**HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)**

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)  
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