

MULTIPLE GAS ANALYSER

MGA 3200



ANALYZER CONFIGURABLE WITH

NDIR

EC

UV SPECTROSCOPY

FLUORESCENCE

CHEMILUMINESCENCE

TDLAS - TUNABLE DIODE LASER ABSORPTION SPECTROSCOPY

PAS - PHOTO ACOUSTIC SPECTROSCOPY

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

A COMPLETE VERSATILE, MULTI - FEATURED, MICROCONTROLLER BASED GAS ANALYZER FOR ONLINE MEASUREMENT OF GASES

►► APPLICATION :

- ENVIRONMENT INDUSTRY
- MEDICAL ENGINEERING AND RESEARCH
- AGRICULTURE BIOMAS
- AUTOMOBILE
- CLEAN ROOM MONITORING
- SHIPPING INDUSTRY

►► TECHNOLOGY :

- The Model MGA 3200 gas analyzer is suitable for the continuous measurement of the concentrations of gases such as CO, CO₂, SO₂, HF, HCL, CL₂, NO, CNG, O₂, CH₄, H₂, H₂S, NH₃, HCN, O₃.
- Maximum number of sensors depends on sensor technology required.
- The simplicity of operation makes MGA - 3200 analyzer, a valuable aid for continuous use in various applications, changing the measuring parameters.
- Its versatile modular design permits configuration and up-gradation to suit specific needs of customer in selection of gases to be measured.
- MGA - 3200 is available with highly up-gradable micro-controller based electronics which is equipped with battery backup for RAM to retain the existing set modes in case of power failure.
- Any unacceptable deviation from the standard stored values is displayed as an indication "FA U LT".
- MGA - 3200 gas analyzer is highly used and recommended for various industrial applications.
- Sensor technology depends upon the application of industry.

►► SPECIAL FEATURES :

- Alarms for low, high and specific fault
- Specific sensor as per the measuring gas, range & application
- Sample conditioning system offered as per the application
- Complete automatic operation
- 16 characters, 2 line LCD display messages
- Self diagnostic check facility
- Mere six keys to operate the complete instrument

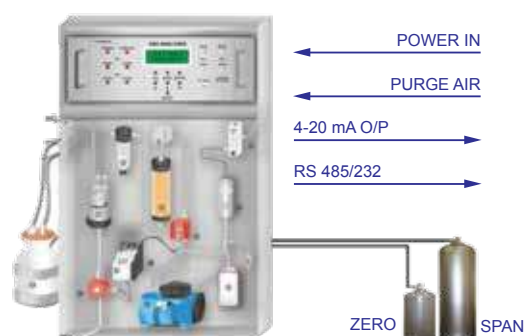
►► APPLICATION :

- Stack or exhaust gas analysis
- Power & industrial plants
- Coke oven
- Fuel efficiency / optimization of combustion
- Process analysis



MGA 3200

Sampling Line



MGA 3200 Along with Sampling System

►► SPECIFICATIONS :

Type	Rack / panel mount
Detectable gases / parameters	Toxic, Combustible, O ₂
Electronics / processor	Micro-controller
Power supply	230 V AC
Display	Graphic LCD
Alarm	Controlled alarms
Output	4 - 20 mA Standard, Individual relay
Digital Output	RS - 232, RS - 485, MODBUS, Datalogging
Technology	1. Sensor Specific (Electrochemical/TCD/PID)
	2. UV Photometry Technology
	3. Infra-red Technology
Resolution	1 mg/m ³ , 1 PPM, 1% V/V, application defined
Accuracy	± 0.5 % FS
Response time	less than 30 sec, sensor dependent
Operating temperature	0 - 55 °C
Sampling / input	Direct plug-in through sampling system / 4 - 20 mA
Housing / case	19" rack mounting
Enclosure	Aluminum casing (power coated) for indoor application
Warm up time	Analysis / detector dependent
Physical dimensions	43.3 x 26 x 15.2 cm

►► MEASURING RANGES :

*Gases and ranges are only indicative. Contact ATL for special gas / vapour & range

PARAMETERS	RANGE	RESOLUTION	ACCURACY
FOR UV			
O ₃	0 - 50 PPM	1 PPM	±2%
H ₂ S	0 - 500 PPM	0.1 PPM	±2%
SO ₂	200 PPM, 2000 PPM	1 PPM	±2%
NO	0 - 5000 PPM	1 PPM	±2%
NO ₂	0 - 2000 PPM	1 PPM	±2%
NH ₃	0 - 1000 PPM	1 PPM	±2%
C ₆ H ₆	0 - 1000 PPM	1 PPM	±2%
CL ₂	0 - 1000 PPM, 1 %V/V	1 PPM	±2%
FOR INFRA-RED			
CO	0 - 100 %V/V	1 PPM	±2%
CO ₂	0 - 100 %V/V	0.1%	±2%
CH ₄	0 - 100 %LEL	1%V/V	±2%
FOR ELECTROCHEMICAL			
O ₂	100 PPM	1 PPM	0.5%
CO	0-2000 PPM	1 PPM	±2%
NOX / NO	0-2000 PPM /0-5000 PPM	1 PPM(0.1)	±2%
NO ₂ / SOX	200 PPM, 2000 PPM	1 PPM	±2%
HF	0-50 PPM	0.1 PPM	±2%
CL ₂	0-50 PPM	0.1 PPM	±2%
H ₂ S	0-500 PPM	0.1 PPM	±2%
O ₃	0-50 PPM	1 PPM	±2%
HCHO	0-1000 PPM	1 PPM	±2%
CH ₄	0-100 %LEL	1 % V/V	±2%
CL ₂	0-1000 PPM	1 PPM	±2%
FOR CHEMILUMINESCENCE			
NO	0-500 PPM	1 PPM	±3%
NO _x	0-500 PPM	1 PPM	±3%
NO ₂	0-500 PPM	1 PPM	±3%
SO _x	0-500 PPM	1 PPM	±3%

►► Servicing, Validation, Trainings and Preventive Maintenance :

- Servicing** : We have team of service engineers who can attend to any make of instrument promptly @the most affordable cost.
- Trainings** :We also take up preventive maintenance to reduce downtime of instrument's Trainings.
- AMC's/CMC** : We offer user training both in-House and at customer sites on instrument principles, operations, troubleshooting.
- Validations** : We have protocols for carrying out periodic Validations as per GLP/ GMP/USFDA norms.
- 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 globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufaturing, 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
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical
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

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 @



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