

3902

Carbon Sulfur Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

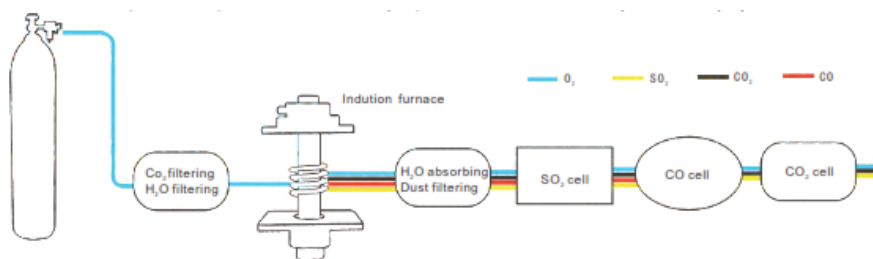
www.analyticalgroup.net

Features:

- Optional up to 5 independent infrared detection cells, supporting customized by use
- Quick and accurate measurements
- Heating temperature up to 2000°C
- Automatic dust removal function by reverse gas purging
- High-precision digital mass gas flow controller
- Standard non-diversing infrared detection device

Measurement principle:

A typical instrument is composed of automatic constant pressure oxygen supply, high frequency induction furnace, infrared detector, computer, electronic balance and printer, etc. It is a fast, accurate, reliable and practical carbon and sulfur analyzer. The analysis process is: When the sample is burned in a high-frequency furnace, the carbon and sulfur elements contained in it are oxidized to form CO₂, CO, and SO₂. The oxygen is used as a carrier to introduce mixed gas into the infrared detector, and the electrical signal generated by the infrared detector is amplified. Signals are sent to the monitor software for data processing, and finally the analysis results are displayed on the screen and printed on paper for users.



Application:

Widely used in steel, casting, ferro-alloy, mining, coke, rare earth, soil, ceramics, cement, glass, chemical industry, automobiles, ships, machinery manufacturing, aeronautics and astronautics, commodity inspection, universities, research institutions and other fields



3902 carbon & sulfur analyzer adopts the integrated structure of highfrequency combustion system and infrared analysis system, and its standard configuration has two sets of detection systems.

Equipped with two independent infrared detection cells as standard. The infrared detection cell can be expanded according to customer needs.

Specifications:

Carbon Range	C1: 0.001-20%, can be expanded to 100%	C2: 0.00001-0.5%
Sulfur range	S1: 0.1-60% can be expanded to 100% (optional) S2: 0.00001-5%	
Sensitivity	0.1ppm	
Repeatability	Carbon: $RSD \leq 0.5\%$	Sulfur: $RSD \leq 1.5\%$
Accuracy	Carbon: meeting	Sulfur: meeting

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



LCMS



Automated Prep-Flash
Chromatography system



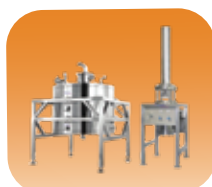
Maldi TOF



Optima Gas
Chromatograph



Flash
Chromatograph



DAC
Column



GCMS
3068



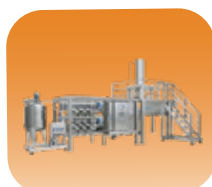
UHPLC



HPTLC



Ion Chromatograph



Production
HPLC



HPLC



Column



DLS



Water purification
system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

ANALYTICAL FOUNDATION is a Nonprofit Organization (NGO) for the purpose of:



Analytical Foundation

1. Research & Innovation **Scientist's awards & International Conference visit sponsorship / QC Professional Awards:** Quality life is possible by innovation only and the innovation is possible by research only, hence **ANALYTICAL FOUNDATION** is committed to identify such personallities 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 DETOXIFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Naturecure, Health Care, Ara, Events, Camps etc.

▶▶ A portion of profit of **ANALYTICAL GROUP** Company's goes into **ANALYTICAL FOUNDATION** for the aboce noble cause.

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HPLC Solutions

MultipleLabs

Infinite Multiplelabs LLP

Analytical Bio-Med

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@analyticalgroup.net
info@hplctechnologies.com
info@multiplelabs.com

W:- www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

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