

IC-3100

Simple, Economical And Practical Ion Chromatography



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Technology advantage:

1. Built-in circulating 3D constant temperature technology

Temperature stability time is less than 30 mins, ensuring the accuracy and reliability of test data

2. The world's leading full-range series of ion chromatographic columns

High efficiency, large capacity of the columns for detecting ions of varied compositions

3. Self-Regenerating Electrolytic Micro-membrane Suppressor

High pressure resistance, small dead volume, highly responsive to signals

4. Temperature-control pentode conductivity detector

Intelligent temperature control to ensure more precise analysis

5. Observatory intelligent workstation

Integrated control, compatibility for a variety of instruments, customized images

6. Incredibly low maintenance costs

►► Technical Parameter:

Ion Chromatographic Pump	Type	High-pressure and low-pulse double plunger tandem advection pump
	Maximum Pressure	42MPa(PEEK)
	Flow Range	0.001~9.999 mL/min
	Flow Accuracy	RSD < 0.1 %
	Flow Stability	(0.2-0.5)mL/min≤3%; (0.5-1.0)mL/min≤2%; >1.0mL/min≤2%;
	Maximum Pressure	35MPa
Manual Sample Injector	External Diameter of the Tube	1/16"
	Contact Material of the Rotor	PEEK
	Contact Material of Medium	PEEK/Ceramics
Column Heater	Operating Temperature Range	20~60°C(68~140°C)
	Controlling Temperature Accuracy	±0.01°C
	Allowable Deviation of Column Heater's Temperature	±2°C
	Temperature Stability	≤1°C/h

Conduction Detection System	Type	Temperature-control pentode conductivity detector
	Cell Volume	≤0.8μL
	Detection Range	0~35000μS/cm
	Detection Resolution	≤0.0020nS/cm
	Output Voltage	-6000~+6000mv(adjustable)
	Baseline Noise	≤0.05% FS
	Baseline Drift	≤3% FS/30min
	Operating Temperature Range	Room temperature +5°C~60°C(41 ~140°C)
	Controlling Temperature Accuracy	±0.01°C
	Temperature Compensation	1.7 %/°C
	Maximum Pressure	10.0MPa
	Linear Range	≥10 ³
	Instrument Linearity	≥0.999
	Quantitative Repeatability	≤1.0%
	Minimum Detectable Concentration	Cl-≤0.0005ug/mL; Li+≤0.001ug/mL; BrO ₃ -≤0.001ug/mL;
Flow System	Plastic Flow Path	Made of PEEK materials
	Six-way Valve	PEEK material, pressure 5000psi; Independent automatic collecting and flow function.
	Power Supply	150W
	External Size(L*W*H*)	325*400*500
	Net Weight(KG)	21
	Gross Weight(KG)	28

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.

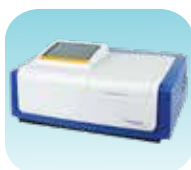
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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
Spectro 2080+
Double Beam



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

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**®
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
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide

Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice.