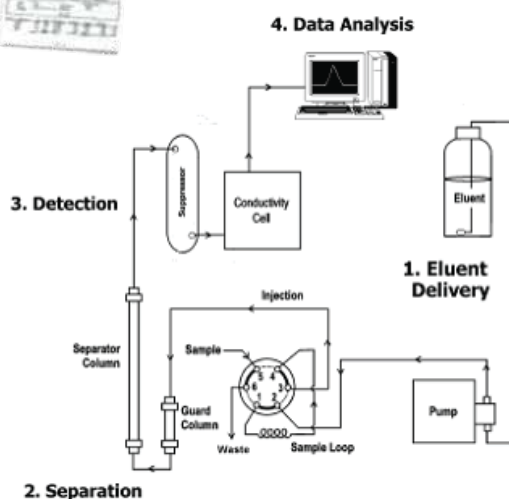


# IC-3000 SERIES

## ION CHROMATOGRAPHY



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**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ISOCRATIC PUMP-3000

- Delivery method : double pistons, main & auxiliary
- Pump head :10 ml PEEK
- Maximum Working Pressure : 10ml pump head 42 Mpa for SST/30Mpa for PEEK
- Flow Range : 0.001-9.999ml/min
- Flow rate accuracy: 0.1%measurement at 1ml/min
- Flow rate Precision: 0.075% RSD
- Display: 320X240X blue background color
- Protection : Pmax & Pmin
- Data automatically saved after Power down
- System connection 1/16 99 Capillaries
- Control : stand-alone mode by front keypad
- HPG Mode: one pump work as Master, others work as slave Rs 232 by PC using Communication
- Protocol Power Supply: AC2220V,50Hz,400
- Dimensions and Weight: 410X180X270X10 KG

## CONDUCTIVITY DETECTOR CDD-3000 SERIES

Measuring range : 0.3 to 1000 uS; auto zero function for the entire measuring range, External control of all functions, temperature stabilized flow cell with heat exchanger for the eluent.

- Reagent Organizer S 7121

## COLUMN HOUSING

Housing should be able to identify the columns and set the optimal operating conditions for column operations.

## IC COLUMNS ICC-3000 SERIES:

IC columns for analyses of anions including cyanide , silicate, borate etc cations, amines , transition metals should be quoted with respective guard columns. The columns should have electronic chip to store data and history of column use. It should also be possible to record the number of injections and the working hours.

## **SUPPRESSION SU-3000 SERIES :**

In anion analysis; for reciprocal automatic selection of suppression columns after each analysis, with integrated PEEK plunger dosage pump and integrated column oven for controlled temperature of suppression columns, flow cell and separation column.

## **PDA DETECTOR DAD-3000 SERIES:**

- Wetted Materials: Stainless steel/PEEK\*, Teflon, Glass
- Baseline Noise:  $\pm 0.6 \times 10^{-5}$  (@240nm, 1 sec., Risetime)
- Baseline Drift:  $< 3 \times 10^{-4}$  AU/h
- Number of diodes: 256
- Wavelength Range: 190- 720 nm
- Wavelength Precision:  $\pm 0.1$  nm
- Wavelength Accuracy:  $\pm 0.5$  nm
- Temperature Range: 30-50° C
- Mean Pixel Pitch: 2.2 nm
- Resolution: 7 nm
- Light Source: Deuterium Lamp, Tungsten Lamp 10 mm
- Wavelength Program: Programmable, 10 steps
- Analog Output: 1Hz-100 Hz
- Cell volume: 10 $\mu$ l
- Control Features: internal peak Detector with +24 V Solenoid switching output.
- Dimensions: 396x165x478 mm
- Power supply: 100-250 ~V (47-63 Hz)

## **POST COLUMN REACTOR PC-3000 SERIES:**

Post column reagent addition system comprising of pump, mixing Coil. It has compact post column derivatization unit. The system should have reagent delivery pump, mixing, joining and reaction coils. The reagent has pumped using a peristaltic pump.

## **IN-LINE SAMPLE CALIBRATION SYSTEM IS-3000 SERIES:**

Able to plot calibration curve automatically with single standard (of much higher concentration than the analyte)

## **AUTOSAMPLER AS-2320**

- Sampling Mode: full loop, partial loopfill and  $\mu$ l pick -up
- Volume of sampler Loop: standard : 100 $\mu$ L (optional for 10,20,100 $\mu$ L)
- Max. sampling volume: Full loop = loop volume
- Partial loop fill = 1/2 loop volume  $\mu$ l pick- up= (loop volume - 3X needle volume) 2
- Sample volume : 2 \*48 1.5mL vials (Standard) (optional: 96-hole panel,384-hole panel, 10ml bottle)
- Cross contamination : <0.02%
- Linearity: 0.9999
- Pressure Limit: 6000psi(15,000psi sampling valve is optional)

## **INJECTOR-3000 SERIES:**

Dual position 6-Port injector valve with fast response time and controlled through software.

## 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.

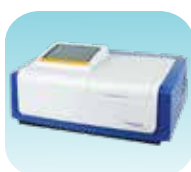
**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## 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.

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3007



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Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
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Optical Emission  
Spectrophotometer



DSC/TGA



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URINOVA 2800  
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Total Organic  
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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**  
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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 @



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