

GC-2979N

Gas Chromatography



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

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Main Features

- Synchronous bidirectional control with touch screen on the GC - 2979N
- The 7-inch color touch screen on the GC - 2979N can display the flow rate and pressure value of the electronic gas path.
- The multi core, 32-bit embedded hardware system ensures the reliable operation of the instrument.
- One key start up function.
- The extendable synchronous external trigger function can initiate GC-2979N and workstation through external signals, such as automatic sampling device, thermal analyzer and so on.
- The instrument has sound system self-checking function and malfunction automatic identification function.
- The instrument has 8 external event interface with extendable functions, which can work with a variety of functional control valve, performing according to the set timing.
- The memory function can store 20-sample test modes.
- Communication port and LAN port.

►► Oven :

- Inside capacity: 22L
- Temperature range: room temperature up 5°C - 400°C
- Temperature accuracy: ± 0.1 °C
- Temperature programming: 9 step
- Program Total Time: 9999.9 min
- Max heating rate: 0.1 - 60°C/min
- Max cooling rate: ≤ 10 mins(250°C - 50°C)

►► Sample Injector :

- Temperature range: room temperature up 7°C ~ 420°C
- Temp control type: independent
- Carrier gas flow control type: constant pressure
- Max quantity: 3PCS
- Type: Packed column or split
- Split ratio: display
- Pre column pressure range: 0-400kpa
- Pre column pressure accuracy: 0.1kpa
- Flow setting range: H₂ 0-200ml/min
H₂ 0-150ml/min

►► **Detector :**

- FID or TCD
- Temperature Range: room temperature up 7 °C ~ 420 °C
- Max installation Qty. : 2
- Ignition model: automatic
- Hydrogen Flame Ionization Detector (FID):
 - Logarithmic amplifier
 - High Voltage Switch Control
 - Baseline signal display
 - Detection limit: $\leq 3 \times 10^{-12}$ g/s (sample: n-hexadecane)
 - Baseline noise: $\leq 6 \times 10^{-13}$ A
 - Baseline draft: $\leq 6 \times 10^{-13}$ A
 - Dynamic range: 10^7
 - RSD: $\leq 3\%$
- Thermal Conductivity Detector(TCD):
 - Sensitivity: 8000mV.ml/mg(sample: n-hexadecane)
 - Baseline noise: ≤ 0.05 mV
 - Baseline draft: ≤ 0.15 mV/30min
 - Dynamic range: 10^5

►► **Overall Dimension & Weight :**

- Power: 220V \pm 22V, 50Hz \pm 0.5Hz, 3000W
- Overall Dimension: 1020 x 660 x 740 (mm)
- G.W. : 82kg
- N.W. : 70kg

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

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Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



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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
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NOVA-2100
Chemistry Analyzer



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RTPCR



TOC
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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

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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