

# ECG - 3120

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## Twelve Channel ECG



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► General Features

- Simultaneous acquisition of 12 Lead ECG with simultaneous printing on **12-channel A4 Size printer**
- Simultaneous display of 3/6/12 Leads ECG waveform on Touch Screen Colour LCD Display
- Portable, Light Weight and Desktop Model
- **Automatic Interpretation**
- Mode of printing, Automatic/Manual/Rhythm
- Large **Data Storage capacity of 1000 ECGs**
- **USB Port** for Data Transfer
- AC/DC Operated
- Rechargeable Lithium Battery
- Battery backup: **90 minutes** (with continuous printing)

## ►► Technical Specifications :

- **8" LCD Display with Touch Screen**
- **Power Supply**
  - AC, 100-240V, 50/60 Hz
  - DC, 7.4V, 3700 mAh rechargeable lithium battery
- Input way: Floating and defibrillation protection
- Classification, Class I, CF applied part
- **Lead, 12 leads**
- Patient leak current:  $\leq 10\mu\text{A}$
- Frequency Response: **0.05 Hz -150 Hz (-3 dB - 0.4 dB)**
- Time Constant: **Time  $\geq 3.2$  s**
- CMRR:  $\geq 60$  dB,  $\geq 100$  dB (add filter)
- EMG Interference filter : **25/35 Hz (-3 dB)**
- AC Filter: **50/60 Hz**
- Sampling Rate : **1000Hz**
- Recording Way: **Thermal printing system**
- Recording Papers: **210 mm x 20 mm (W x L) (A4 Size)**
- **Paper Speed:**
  - Auto Mode: **25, 50 mm/s**
  - Manual Mode: **5, 6.25, 10, 12.5, 25, 50 mm/s**
  - Rhythm Mode: **25, 50 mm/s**

- Enduring polarization voltage: **±300 mV**
- Sensitivity: **2.5, 5, 10, 20, 40 mm/mV (Error, ±5%)**
- **Printing Modes:**
  - Auto 12x1**
  - Auto 6x2+1**
  - Auto 6x2**
- **Auto 3x4+2**
  - Rhythm 12/10/8/6 etc**
  - Manual Mode**
- Measurement Parameters: **HR, P-R interval, P Duration, QRS Duration, Q Interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S (V1), R[V5) + S(V1), T Duration, Q-T Interval**
- Dimension: **340 x 320 x 85 mm IL x W x HJ**
- Weight: **3.2 Kg**

**Optional:**

**ECG Synchronous 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.

## 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](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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