

ECG - 3120

12 Channel ECG Machine



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ 12 Channel Resting ECG System

- High resolution 8 inch color TFT with touch screen
- Suitable for clinics, hospitals and out door camps
- On screen display of 12 channel ECG with interpretation
- Compact, light weight and portable with carry handle
- Lead-off and printer paper out indication
- LED indicators for charging and AC/DC operation
- In-built thermal printer with auto and manual mode
- Digital filters to eliminate baseline drift, AC and EMG interface
- Isolation protection against defibrillation
- Soft touch alphanumeric and on screen virtual pop-up keyboard for data input

▶▶ Technical Specification

ECG

A/D Resolution	24 bit
Lead selection	Standard 12 leads
Notch filter	50/60 Hz
Noise level	≤12 μVp-p
Acquisition	Auto / Manual
Memory	1000 Patients
Input impedance	≥ 50 M Ohm (10Hz)
Frequency Response	0.05 to 150 Hz
CMRR	> 60 dB, > 100 dB
Time Constant	≥ 3.2 sec
Sensitivity	2.5, 5, 10, 20, 40 mm/mV
Measurement	HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5) amplitude, S(V1) amplitude, R(V5)+S(V1) amplitude

Display

Display Format	Twelve Channel
Graphics Display	800 x 600 pixels TFT touch screen (color)
Display Size	8 inch
On screen display	3/6/12 lead ECG, HR value, print mode, sensitivity, paper speed, filter, time, battery indication, background grid lines, measure data and interpretation

Recording and Printing

Recorder	Thermal Printer
Paper Speed	25, 50 mm/sec (Auto / Rhythm) 5, 6.25, 10, 12.5, 25 and 50 mm/sec (Manual)
Recording paper	Thermo sensitive 210 mm × 20 m (Rolled)
Printing Labels	Patient Information Template, Leads, Calibration, Print Speed, Filter, Sensitivity
Print-out Format	Auto and Manual mode

Power Supply

Line Power supply	AC 110 - 240V, 50Hz
Power Supply Operation	AC/DC with On / Off line Battery charging
Battery	14.8 V / 3700 mAh, Li-ion rechargeable
Battery backup	10 hrs standby time, 3 hrs continuous print, 300 ECG wave form recording
Input Power	≤ 150 VA

General

Data input	Touch screen and function buttons
Communication Interface	USB
Type of Protection	Class I
Degree of Protection	Type CF

Physical

Dimensions	340 x 320 x 85 mm
Weight	3.2 Kg

Environmental Conditions

Operation

Temperature	5°C to 40°C
Humidity	≤ 80% non condensing
Atmospheric pressure	700 to 1060 hPa

Storage

Temperature	1°C to 50°C
Humidity	≤ 93% non condensing
Atmospheric pressure	500 to 1060 hPa



Patient Cable



Clip Electrode



Bulb Electrode

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



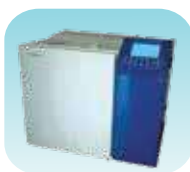
UV/VIS
Spectro 2080+
Double Beam



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.



 **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

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

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