

ECG-3120

12 Channel Ecg Machine



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Technical Specifications

- 8" LCD display with Touch screen
- Power Supply:
 - AC 100 ~ 240V, 50/60Hz
 - DC 14.8V, 3700mAh rechargeable lithium battery
- Input way: Floating and Defibrillation Protection
- Lead: Standard 12 leads
- Patient leak current : $\leq 10\mu\text{A}$
- Input Impedance : $\geq 50\text{M}\Omega$
- Frequency Response : 0.05 ~ 150Hz [-3dB ~ 0.4dB]
- Time Constant : Time $\geq 3.2\text{s}$
- CMRR : $\geq 60\text{dB}$, $\geq 100\text{dB}$ [Add Filter]
- EMG Interference Filter : 35Hz [-3dB]
- Recording way : Thermal Printing System
- Recording: Auto, Manual and Rhythm
- Paper Size: 210mm [W] x 20m [L] high speed thermal paper
- Paper Speed:
 - Auto Record: 25mm/s, 50mm/s, error $\pm 5\%$ [Record setup according to auto record format and mode, automatically changing leads, measuring and analyzing]
 - Rhythm Record: 25mm/s, 50mm/s, error $\pm 5\%$ [Record setup according to auto record format and mode, automatically measuring and analyzing]
 - Manual Record: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, error $\pm 5\%$ [Record setup according to auto record format and mode, manual changing leads]
- Sensitivity Selection : 5, 10, 20, 40 mm/mV, [Error $\pm 5\%$]
- Standard sensitivity is 10mm/mV $\pm 0.2\text{mm/mV}$
- Printing Modes:
 - 12*1,
 - 6*2 + 1,
 - 6*2,
 - Rhythm row 12, row 10, row 8, row 6 etc with multiple formats,

- 8" LCD display with Touch screen
- Measurement parameters : HR, P-R interval P duration, QRS duration, T duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R[V5], S[V1], R[V5]+S[V1]
- Product Safety Type: Class I CF applied part, there is defibrillation and pacing protection circuit in it
- Ending Polarization voltage: $\pm 500\text{mV}$
- Noise Level: $\leq 15\mu\text{Vp-p}$
- Machine Size: 334mm[L] X 320mm[W] X 85mm[H]
- Machine Net Weight: 2.25Kg

OPTIONAL: Communicate with PC via RS 232 interface and Software>

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 @



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