

157 El Haram st, El Haram, Cairo,
Egypt, 12111

Tel.: +202 375 26 895
Fax: +202 375 26 839
Mobile: +2 0109 220 28 65



contactus@biobusiness-eg.com



12 Lead Resting ECG
6 Channels Portable Interpretive ECG

BioBeat™

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BioBeat ECG

BioBeat Electrocardiograph is a sophisticated and modern electronic device. It is dedicated to record ECG impulses in full range of 6 standard channels. Printout is made on thermal paper. The device is equipped with high resolution linear thermal printing unit and LCD. Aesthetic plastic cover together with membrane keyboard makes the device easy to keep clean.



Built-in battery

The built-in battery allows to use it quickly where it can operate without being connected to the AC adapter, this is feature help doctors to conduct ECG examinations even the power may not be available.

HES® Algorithm

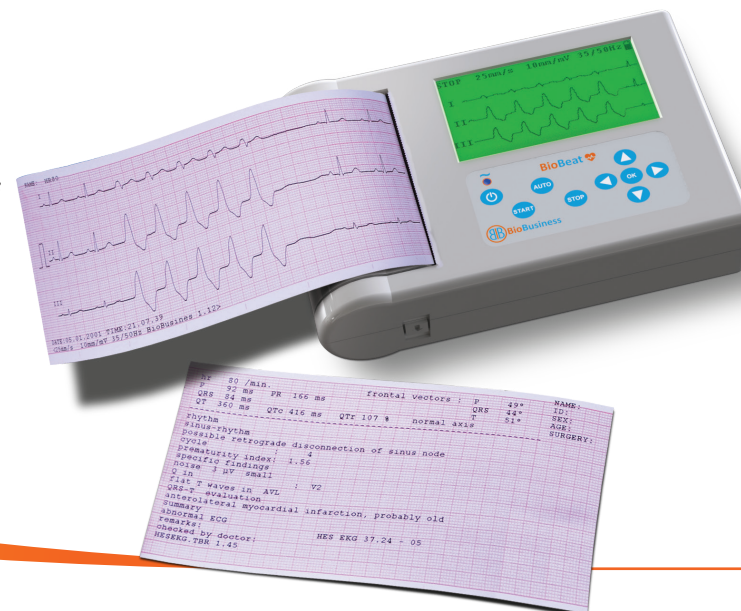
BioBeat uses a HES® Algorithm in ECG analysis. The HES® is a diagnostic ECG software for the analysis and interpretation of a verity of ECG data.

Interpretation and Arrhythmia Function

The HES® Algorithm is a diagnostic ECG software which provides arrhythmia analysis and interpretation of a verity of ECG data. Arrhythmia analysis and ECG interpretation is one of the standard features on BIOBeat resting ECG.

Interpretation Function: for interpretation function, BIOBeat provides an analysis guide to help cardiologists understanding ECG data for analysis the waveforms.

Arrhythmia Function: BioBeat is used to detect and verify of arrhythmia diseases and It achieves best results in the field of ECG diagnosis and is very accurate with its interpretation. it can measure tables for: P, QRS, ST, QT, QTc, etc. for overall ECG and per lead.



Specifications

Processing	
Leads	12 leads—simultaneously
Sensitivity	2.5 / 5 / 10 / 20 mm/mV
Recording Speed	5/10/25/50 mm/s
Common mode Rejection Ratio (CMRR)	>100dB
Frequency Band	0.05 – 150Hz
Input impedance	>10M
Power Line Filter	50/60HZ
Muscle Filter	25/35 Hz
Filtration of isoelectric line	(0,05 - 1,5 Hz)
Sampling frequency	1000 samples / second /channel
A to D Conversation	24 bit
Pacemaker detection	Yes
Automatic detection of wrong connection with particular electrodes	

Recorder	
Recording	automatic and manual mode
Method	Thermal dot Array
Recorder speed	5/10/25/50 mm/s
Recording paper Type	Thermal roll paper
Width of recording paper	80mm
Printing	6 / 3 Channels

Display	
Device	Built in graphical LCD
Display Dimensions	4.00 inch
Resolution	240 x 128 pixels
Display Data	Selected Lead Group
Representation	6 / 3 Channels

Power Requirements	
Ratings	100-240V – Ac
Frequency	50/60 Hz
Battery Capacity	2250 mA
Battery Charging Time	3 hours.

Safety	
Standards	IEC60601-1, IEC60601-2-25
Protection type	Class II, Type CF
Conformity	CE Marking

Physical Specifications	
Dimensions	175 x 115 x 45 mm
Weight	< 0.7 Kg

Options	
Wireless Communication	Bluetooth