BeneHeart R3

Electrocardiograph

Physical		Writer	
Height:	56 mm	Writer technology:	Thermal dot array
Width:	260 mm	Writer Width:	80 mm
Depth:	194 mm	Writer speed:	5, 12.5, 25, 50 mm/s
Weight:	1.2 Kg including battery, internal AC power supply	Number of traces:	3 leads + 1 rhythm or 3 leads; user selectable
Processing		Writer speed accuracy:	±5 %
ECG analysis sampling rate:	500 samples/ second (sps)	Writer amplitude accuracy:	±5 %
Digital sampling rate:	1000 samples/ second/ channel	Writer resolution:	Horizontal 32 dots/mm @ 25 mm/s, Vertical 8 dots/mm
Acquisition mode:	Pre-acquisition or post-acquisition, provide 10 seconds of	Paper type:	Thermal roll paper (20 m) & Z- fold paper (80 mm width, 200
	instantaneous ECG acquisition		sheets/pack)
Dynamic range:	AC Differential ±10 mV, DC offset ±600 mV	Software	
Resolution:	1 μV/LSB @ 500 sps	Measurement and interpretation:Supports measurement and interpretation with the University	
Frequency response:	–3 dB @ 0.05 Hz to 150 Hz		of Glasgow ECG analysis algorithm
Baseline drift filter:	0.05 Hz, Baseline Drift Removal(BDR)	Resting ECG mode:	Records and prints 12-lead resting ECG with 10-second
High cut-off frequency:	20 Hz, 35 Hz, 150 Hz	5	duration as a standard feature
AC filter:	50/60 Hz ± 0.3 Hz	Supported patient informatio	n: Patient ID, secondary ID, age, date of birth, gender, race,
Common mode rejection:	≥110 dB (with AC filter switched off)		medication, class and V3 electrode Placement
ADC:	24 bit	Internal storage:	800 ECGs in internal memory
Input impedance:	\geq 50 M Ω @ 10 Hz, defibrillator protected	ECG Storage format:	PDF format and Mindray storage format
Patient leakage:	<10 μΑ	Multi-language support:	Supports 13 languages
Heart rate meter:	30 to 300 BPM ±10% or ±5 BPM, whichever is greater	Report Formats	
Startup time:	≤5 second	Thermal printer report formats: 4 by 2.5 s (Sequential)	
Sensitivity/gain:	5, 10, 20 mm/mV, Auto		4 by 2.5 s Compact
Display			4 by 2.5 s + 1 rhythm lead
Color:	24 bit Color display		4 by 2.5/5/7.5/10 s (Simultaneous)
Display type:	5 inch diagonal, 16: 9 aspect ratio, TFT LCD with LED graphics		Autorhythm (60 second ECG data for 1 rhythm lead)
	backlit		Continuous 1 or 3 channel manual rhythm
Display resolution:	800 * 480	PDF report format:	4 by 2.5 s + 1 rhythm lead
Display data:	Patient ID, gender, age, heart rate, clock, battery power	(A4/letter format)	2 by 5 s
	indicator, waveforms, lead labels, speed, gain, filter	(,,	2 by 5 s + 1 rhythm lead
	settings, warning messages, information messages, network		1 by 10 s
	status and USB	Accessories	,
Power		ECG patient cable with banana plugs, Limb Clamps, Chest Bulbs (IEC/AHA)	
Power supply:	AC input (without external power adaptor) or battery operation	ECG cable with Electrode clips (IEC/AHA)	
AC Power	······································	Country-specific power cords	
Input voltage:	100 to 240 VAC ± 10%	Z-fold and Roll paper	-
Input power:	60 VA	Environmental Specificatio	n
AC frequency:	50/60 Hz ± 3 Hz	Temperature	
Battery	50,00112 ± 5112	Operating:	0 ℃ to 40 ℃
Battery type:	rechargeable Lithium ion battery	Transport/storage:	-20 ℃ to 60 ℃
Battery capacity:	11.1 V typical, 2500 mAh	Humidity	20 01000 0
buttery capacity.	6 hours of continuous operation without recording	Operating:	15% to 95% RH non-condensing
	or 500 ECGs in 2.5 x 4 format at 25 mm/s and 10 mm/mV	Transport/storage:	15% to 95% RH non-condensing 10% to 95% RH non-condensing
Battony charge time:	3.5 hours with power off		1070 to 2570 Ni Horreondensing
Battery charge time:	5.5 Hours with power on	Pressure	57.0 kPa to 107.4 kPa
		Operating:	57.0 KPd to 107.4 KPa

Transport/storage: 16.0 kPa to 107.4 kPa







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Your Faithful Consultant for Resting ECG Diagnosis

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The Glasgow algorithm is the first to be based on specific variables, including age, gender, race, medication, and class in order to maximize the accuracy of the ECG interpretation.

On the report, a headline may highlight one of several "critical value warnings" to alert medical attendants of findings that need immediate attention.

For neonates and children, lead V4R is used instead of V3 to improve the diagnostic accuracy.

Reliable Analysis

BeneHeart R3 utilizes the University of Glasgow ECG analysis algorithm, one of the world-leading resting ECG interpretations with 50 years of history.

Clear Display

5-inch color screen offers the highest resolution in industry, enabling clinicians to observe real-time waveforms accurately.

Great Portability

The BeneHeart R3 weighs only 1.2kg with battery, easy to carry.

Convenient Operation

ECG recording is automatically unfolded on the writing pad on top of the machine for notes or signature.







With rolling paper

With Z-fold paper

Unique Recorder

Compatible with both rolling paper and Z-fold paper, you can easily switch between these two styles of papers without dismantling the pressure lever.