Peripherals and Communications



BeneHeart R3

Electrocardiograph

Physical	
riiysicai	
Height:	56 mm
Width:	260 mm
Depth:	194 mm
Weight:	1.2 Kg including battery, internal AC power supply
Processing	
Digital sampling rate:	1000 samples/second/channel
Pacer detection sampling rate	e: 16,000 samples/second/channel
ECG amplifier:	DC-coupled
Acquisition mode:	Pre- or post-acquisition, provide 10 seconds of instantaneou ECG acquisition
Dynamic range:	AC differential ±10 mV, DC offset ±600 mV
Resolution:	1 µV/LSB
Frequency response:	-3 dB @ 0.05 to 150 Hz
Baseline drift filter	0.05 Hz. Baseline Drift Removal (BDR)
Artifact filter:	20 Hz 35 Hz
AC filter	50/60 Hz
Common mode rejection:	>110 dB (with AC filter switched off)
	24 bite
Input impodance.	27 DIG
Time Constant	
nine Considiit	<
NOISE LEVEI	≤13 µV
Patient leakage:	<10 µA
Heart rate meter:	30 to 300 BPM ±10% or ±5 BPM, whichever is greater
Startup time:	≤5 second
Sensitivity/gain:	5,10,20 mm/mV, Auto
Display	
Display type:	5-inch 24-bit color, TFT LCD with LED graphics backlit
Display resolution:	800*480 pixels
Display data:	Patient ID, gender, age, heart rate, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, warning messages, information messages, network USB status
Power	
Power supply:	AC input (without external power adaptor) or battery operation
AC Power	
Input voltage:	100 to 240 VAC ±10%
Input power:	60 VA
AC frequency:	50/60 Hz ± 3 Hz
Battery	
Battery type:	Rechargeable Lithium ion battery, 11.1 V, 2500 mAh
Battery capacity:	6 hours of continuous operation without recording or 500 ECGs in 2.5x4 format at 25 mm/s and 10 mm/mV
Battery charge time:	3.5 hours with power off
Writer	
Writer technology:	Thermal dot array
14/-it14/ilt-l	80 mm
writer width:	
Writer width: Writer speed:	5, 12,5, 25, 50 mm/s



www.mindray.com

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Vriter speed accuracy:	±5%
Vriter amplitude accuracy:	±5%
Vriter resolution:	Horizontal 32dots/mm @ 25mm/s, Vertical 8 dots/mm
Paper type:	Thermal roll paper (20 m) or Z-fold paper (80 mm width, 200 sheets/pack)
oftware	
Neasurement and interpretation	: Supports the University of Glasgow 12-lead ECG analysis program for adults and pediatrics
Resting ECG mode:	Records and prints 12-lead resting ECG with 10-second duration as a standard feature
supported patient information:	Name, patient ID, secondary ID, age, date of birth, gender, race, medication, class, V3 electrode Placement.
nternal storage:	800 ECGs in internal memory
CG Storage format:	XML, PDF, Mindray
Aulti-language support:	Supports 13 languages
xtensional Function	
eanalyze ECG automatically a Connect to external printer dii Jpload XML or PDF reports th Barcode scanner (Optional) Vifi (Optional)	rectly (Optional) rough FTP protocol (Optional)
JSB flash drive storage of PDF	and XML outputs (Optional)
Report Formats	
hermal printer report formats:	4 by 2.5s (Sequential) 4 by 2.5s Compact 4 by 2.5s + 1 rhythm lead 4 by 2.5/5/7.5/10s (Simultaneous) Auto-rhythm (60-second ECG data for 1 rhythm lead) Continuous 1 or 3 channel manual rhythm
PDF report format (A4/Letter):	4 by 2.5s +1 rhythm lead 2 by 5s 2 by 5s + 1 rhythm lead 1 by 10s
Accessories	
CG patient cable with banana CG cable with Electrode clips Country-specific power cords -fold and Roll paper rolley	a plugs, Limb Clamps, Chest Bulbs (IEC/AHA) (IEC/AHA)
and the second sec	

Environmental S

Temperature	
Operating:	0°C to 40°C
Transport/storage:	-20°C to 60°C
Humidity	
Operating:	15% to 95% RH non-condensing
Transport/storage:	10% to 95% RH non-condensing
Pressure	
Operating:	57.0 kPa to 107.4 kPa
Transport/storage:	16.0 kPa to 107.4 kPa





BeneHeart R3

Electrocardiograph

Your Faithful Consultant for Resting ECG Diagnosis



BeneHeart R3

Electrocardiograph





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 Mobility

The BeneHeart R3 weighs only 1.2kg with battery, easy to carry. The trolley can makes BeneHeart R3 mobile to wherever it is needed.

Preview	Win USB 13:45	X	
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	Sending data. Please wait 1/1		
	Preview	พิศ บริธ 13:43	2
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Convenient Operation

The user-friendliness of BeneHeart R3's interface provides several paper-saving features, the report preview (before printed), re-analysis (if the patient information is modified) and E-report transmission.



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.