## BeneHeart R12

## Electrocardiograph



	cations
Physical	
Height:	128 mm
Width:	365 mm
Depth:	305 mm
Weight:	4.9 Kg
Processing	
ECG sampling rate:	1000 samples/second/channel
Pacer detection sampling rate:	16,000 samples/second/channel
ECG amplifier:	DC-coupled
Acquisition mode:	Pre- or post-acquisition, provide 10 seconds of instantaneous 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)
ADC:	24 bits
Input impedance:	>50 MΩ @ 10 Hz, defibrillator protected
Time Constant	≥3.2 s
Noise Level	≤15 µV
Patient leakage:	<10 μA
Heart rate meter:	30 to 300 BPM ±10% or ±5 BPM, whichever is greater
Sensitivity/gain:	2.5, 5, 10, 20, L=10 C=5, L=20 C=10 mm/mV, Auto
Boot time:	<7 s
Display	
Display type:	8-inch 24-bit color, TFT LCD with LED graphics backlit
Display resolution:	800x480 pixels
Display data:	Patient ID, Patient name, gender, age, heart rate, clock, battery power indicator, waveforms,
	lead labels, speed, gain, 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:	100 VA
AC frequency:	50/60 Hz ± 3 Hz
Battery	
Battery type:	Rechargeable Lithium ion battery, 4500 mAh

Writer	
Writer technology:	Thermal dot array
Writer speed:	5, 12.5, 25, 50 mm/s
Number of traces:	12 leads
Writer speed accuracy:	±5%
Writer amplitude accuracy:	±5%
Writer resolution:	Horizontal 40 dots/mm @ 25 mm/s, Vertical 8 dots/mm
Paper type:	Thermal Z-fold A4 paper (210 mm x 295 mm) US
	Letter 8.5x11 in (215 mm x 280 mm)
Software	
Measurement 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, name, age, date of birth, gender, race, medication, class, V3 electrode Placement.
Internal storage:	800 ECGs in internal memory
ECG Storage format:	XML, PDF, Mindray
Report Formats:	3x4+1R, 3x4+3R, 6x2, 6x2+1R, 12x1
Extensional Function	
Preview and review full ECG report	t on screen
Reanalyze ECG automatically after	changing patient's demographics
Touch screen (Optional)	
Connect to external printer directly	y (Optional)
Upload XML or PDF reports throug	h FTP protocol (Optional)
Barcode scanner (Optional)	
Wifi (Optional)	
USB flash drive storage of PDF and	XML outputs (Optional)
Accessories	
ECG patient cable with banana plu	gs, Limb Clamps, Chest Bulbs (IEC/AHA)
ECG cable with Electrode clips (IEC	Z/AHA)
ECG patient cable with banana plu	gs, banana to tab lead adapters, ECG tab electrodes
Country-specific power cords	
Z-fold thermal paper (Letter or A4)	
Trolley	

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