BeneHeart R12

Electrocardiograph



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 M Ω @ 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	30,00 Hz ± 3 Hz
Battery type:	Rechargeable Lithium ion battery, 4500 mAh
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Vriter	
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.
nternal 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	on screen
Reanalyze ECG automatically after c	changing patient's demographics
Touch screen (Optional)	
Connect to external printer directly	(Optional)
Upload XML or PDF reports through	h FTP protocol (Optional)
Barcode scanner (Optional)	
Wifi (Optional)	
USB flash drive storage of PDF and 2	XML outputs (Optional)
Accessories	
ECG patient cable with banana plug	gs, Limb Clamps, Chest Bulbs (IEC/AHA)
ECG cable with Electrode clips (IEC/	(AHA)
ECG patient cable with banana plug	gs, banana to tab lead adapters, ECG tab electrodes
Country-specific power cords	





