BeneHeart R3

Electrocardiograph

Height: 56 mm Width: 260 mm Depth: 194 mm

Weight: 1.2 Kg including battery, internal AC power supply

Processing

ECG analysis sampling rate: 500 samples/ second (sps) Digital sampling rate: 1000 samples/ second/ channel

Pre-acquisition or post-acquisition, provide 10 seconds of Acquisition mode:

instantaneous ECG acquisition

AC Differential ±10 mV, DC offset ±600 mV Dynamic range:

Resolution: 1 μV/LSB @ 500 sps Frequency response: -3 dB @ 0.05 Hz to 150 Hz

Baseline drift filter: 0.05 Hz, Baseline Drift Removal(BDR)

High cut-off frequency: 20 Hz. 35 Hz. 150 Hz AC filter: 50/60 Hz + 0 3 Hz

Common mode rejection: ≥110 dB (with AC filter switched off)

Input impedance: \geq 50 M Ω @ 10 Hz, defibrillator protected

Patient leakage

30 to 300 BPM $\pm 10\%$ or ± 5 BPM, whichever is greater Heart rate meter:

Startup time: ≤5 second

5, 10, 20 mm/mV, Auto Sensitivity/gain:

Display

Color: 24 bit Color display

Display type: 5 inch diagonal, 16: 9 aspect ratio, TFT LCD with LED graphics

backlit

800 * 480 Display resolution:

Display data: Patient ID, gender, age, heart rate, clock, battery power

3.5 hours with power off

indicator, waveforms, lead labels, speed, gain, filter settings, warning messages, information messages, network

status and USB

AC input (without external power adaptor) or battery operation

Power supply **AC Power**

100 to 240 VAC + 10% Input voltage

60 VA Input power:

50/60 Hz ± 3 Hz AC frequency:

Battery

Battery type: rechargeable Lithium ion battery

11.1 V typical, 2500 mAh Battery capacity:

6 hours of continuous operation without recording

or 500 ECGs in 2.5 x 4 format at 25 mm/s and 10 mm/mV

Battery charge time:

Writer technology: Thermal dot array

Writer Width:

Writer speed: 5, 12.5, 25, 50 mm/s

3 leads + 1 rhythm or 3 leads; user selectable Number of traces:

Writer speed accuracy: Writer amplitude accuracy:

Horizontal 32 dots/mm @ 25 mm/s, Vertical 8 dots/mm Thermal roll paper (20 m) & Z- fold paper (80 mm width, 200

Measurement and interpretation: Supports measurement and interpretation with the University

of Glasgow ECG analysis algorithm

Resting ECG mode: Records and prints 12-lead resting ECG with 10-second

duration as a standard feature

Supported patient information: Patient ID, secondary ID, age, date of birth, gender, race,

medication, class and V3 electrode Placement

Internal storage: 800 ECGs in internal memory

ECG Storage format: PDF format and Mindray storage format

Multi-language support: Supports 13 languages

Report Formats

Thermal printer report formats: 4 by 2.5 s (Sequential)

4 by 2.5 s Compact 4 by 2.5 s + 1 rhythm lead 4 by 2.5/5/7.5/10 s (Simultaneous)

Autorhythm (60 second ECG data for 1 rhythm lead)

Continuous 1 or 3 channel manual rhythm

4 by 2.5 s + 1 rhythm lead PDF report format:

(A4/letter format) 2 by 5 s

2 by 5 s + 1 rhythm lead

1 by 10 s

ECG patient cable with banana plugs, Limb Clamps, Chest Bulbs (IEC/AHA)

ECG cable with Electrode clips (IEC/AHA)

Country-specific power cords Z-fold and Roll paper

Temperature

0 °C to 40 °C Operating: -20 °C to 60 °C

Humidity

Operating: 15% to 95% RH non-condensing 10% to 95% RH non-condensing Transport/storage:

Pressure

Operating:

57.0 kPa to 107.4 kPa Transport/storage: 16.0 kPa to 107.4 kPa









Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China Tel: +86 755 8188 8998 Fax: +86 755 26582680 E-mail: intl-market@mindray.com www.mindray.com

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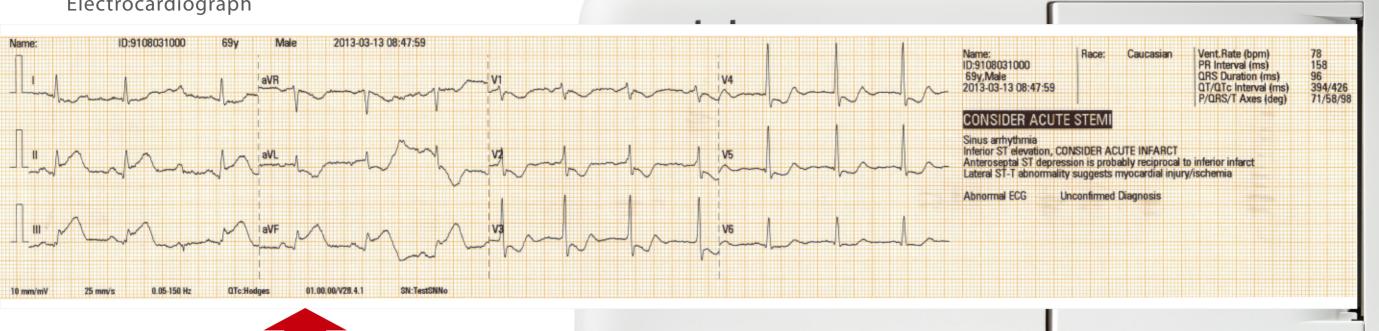


Your Faithful Consultant for Resting ECG Diagnosis



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.

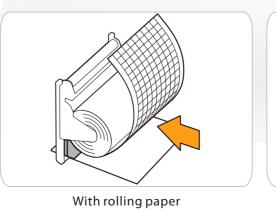
Great Portability

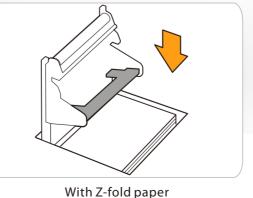
The BeneHeart R3 weighs only 1.2kg with battery, easy to carry.

Convenient Operation

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







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.