BeneHeart R3A

Electrocardiograph

Physical Height: Width:

260 mm 194 mm

1.2 Kg including battery, internal AC power supply Weight:

Processing

Depth:

ECG analysis sampling rate: 500 samples/ second (sps) 1000 samples/ second/ channel Digital sampling rate: Pacer detection sampling rate: 16,000 samples/second/channel

ECG amplifier: DC-coupled

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

instantaneous ECG acquisition

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

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

0.05 Hz, Baseline Drift Removal(BDR) Baseline drift filter: 20 Hz, 35 Hz, 150 Hz

High cut-off frequency: AC filter: 50/60 Hz ± 0.3 Hz

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

ADC: 24 bit

≥50 MO @ 10 Hz, defibrillator protected Input impedance:

<10 μΑ Patient leakage:

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

Startup time: ≤5 second

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

Display

24 bit Color display

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

800 * 480 Display resolution:

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

indicator, waveforms, lead labels, speed, gain, filter

settings, warning messages, information messages, network

status and USB

Power supply AC input (without external power adaptor) or battery operation

AC Power

100 to 240 VAC ± 10% Input voltage

60 VA Input power:

50/60 Hz + 3 Hz AC frequency:

Battery

rechargeable Lithium ion battery Battery type:

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: 3.5 hours with power off

Thermal dot array Writer Width: 80 mm

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

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

Writer speed accuracy:

Writer amplitude accuracy:

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

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

PDF report format: 4 by 2.5 s + 1 rhythm lead (A4/letter format) 2 by 5 s

2 by 5 s + 1 rhythm lead

1 by 10 s

Accessories

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

Environmental Specification

Temperature

0 °C to 40 °C Operating: -20 °C to 60 °C Transport/storage

Humidity

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

Pressure

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









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 Mindray is listed on the NYSE under the symbol "MR" mindray is a trademark of Shenzhen Mindray Bio-Medical Electronics Co., Ltd

© 2013 Shenzhen Mindray Bio-Medical Electronics Co., Ltd. All rights reserved. Specifications subject to changes without prior notice







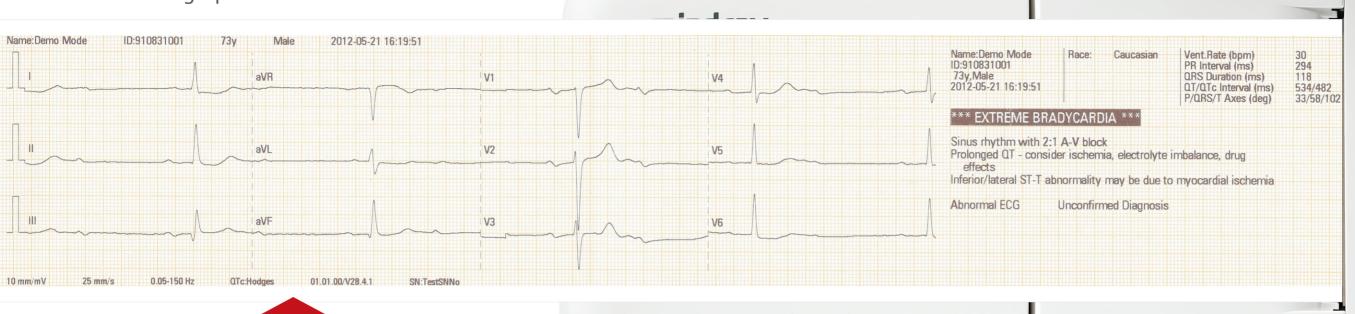


Your Faithful Consultant for Resting ECG Diagnosis



BeneHeart R3A

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.

Reliable Analysis

BeneHeart R3A 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.

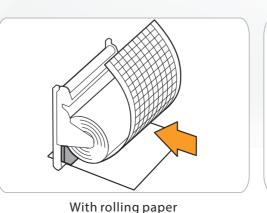
Great Portability

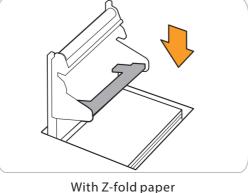
The BeneHeart R3 weighs only 1.2kg with battery, easy to carry.

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.