



Product Code	33301
Unit of sale	1 pc
Minimum order	1
Type	Medical device
Class	II A

RDM (NSIS)	842351
CND	Z12050301
EAN/UPC	6944904055374

## Description

### MINDRAY BENEHEART R3 ELECTROCARDIOGRAPH - 3 channels

Lightweight portable cardiograph for resting ECG diagnosis.

- Reliable analysis - Glasgow algorithm  
Utilizes the University of Glasgow ECG analysis algorithm, one of the world-leading resting ECG interpretations.
- Great Portability - only 1.2 kg  
Weighs only 1.2 kg with battery, easy to carry.
- 5" clear colour display  
Offers the highest resolution in industry, enabling clinicians to observe real-time waveforms accurately.
- Convenient operations  
ECG recording is automatically unfolded on the writing pad at the top of the unit for notes or signature.
- Unique recorder - Z-folded or rolling paper  
Compatible with both rolling paper and Z-fold paper.  
Easily switchable without dismantling the pressure lever.

## Technical Specifications

### POWER:

- Supply: AC input without external power adaptor or battery operation
- AC power: 100 to 240 VAC  $\pm$  10% 60 VA
- Battery-type: rechargeable Lithium ion battery 11.1 V typical, 2500 mAh
- 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
- charge time: 3.5 hours with power off

### PROCESSING:

- ECG analysis
- samplig rate: 500 samples/second (sps)
- Digital sampling rate: 1000 samples/second/channel
- Pacer detection sampling rate: 16000 samples/second/channel
- ECG amplifier: DC-coupled
- Acquisition mode: Pre-acquisition or post-acquisition provide 10 seconds of instantaneous ECG acquisition
- Baseline drift filter: 0.05 Hz, Baseline Drift Removal (BDR)
- AC filter: 50/60 Hz  $\pm$  0.3 Hz
- ADC: 24 bit
- Input impedance: 50 MD at 10 Hz, defibrillator protected
- Patient leakage: < 10  $\mu$ A
- Heart rate meter: 30 to 300 BPM  $\pm$  10% or  $\pm$  5 BPM, whichever is greater
- Sensitivity/gain: 5, 10, 20 mm/mV, Auto

### DISPLAY:

- Display: 24 bit Colour display TFT LCD with LED graphics backlit
- Resolution: 800 x 400

- 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
- Thermal printer: Dot array/Width 80 mm/speed 5, 12.5, 25, 50 mm/s

#### SOFTWARE:

- Measurement and interpretation: according to University of Glasgow ECG analysis algorithm
- Resting ECG mode: Records and prints 12-lead resting ECG with 10-second duration as a standard
- 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 internal software: GB, FR, IT, ES, DE, PL, PT, TR, RU, HU, RO, CZ, CN
- Report formats Thermal printer/PDF/A4/letter
- Size: 250 x 194 xh 56 mm
- Weight: 1.2 kg including battery

## Standard accessories

- Cable with banana plugs, IEC
- Limb clamp set of 4
- Chest bulb set of 6
- Glasgow algorithm\* in GB, IT, DE
- 1 roll paper
- Rechargeable battery
- User manual in: GB, FR, DE, HU, IT, PL, ES, TR

\*Available in 13 languages as internal software by mid 2014