**BeneHeart R3**

**Electrocardiograph**

**Physical**
- **Height**: 56 mm
- **Width**: 260 mm
- **Depth**: 194 mm
- **Weight**: 1.2 Kg including battery, internal AC power supply

**Processing**
- **BEG analysis sampling rate**: 500 samples/second (pts)
- **Digital sampling rate**: 1000 samples/second/channel
- **Acquisition mode**: Pre-acquisition or post-acquisition, provide 10 seconds of instantaneous ECG acquisition
- **Dynamic range**: AC Differential ±10 mV, DC offset ±4000 mV
- **Resolution**: 1μV/LSB @ 500 psi
- **Frequency response**: 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
- **Baseline drift filter**: 0.05 Hz, Baseline Drift Removal (BDR)
- **Frequency response**: –3 dB @ 0.05 Hz to 150 Hz
- **Resolution**: 1 μV/LSB @ 500 sps
- **Dynamic range**: AC Differential ±10 mV, DC offset ±4000 mV
- **Baseline drift filter**: 0.05 Hz, Baseline Drift Removal (BDR)
- **Input impedance**: 50 MΩ @ 10 Hz, defibrillator protected
- **Output impedance**: ±10 μA
- **Gain**: 5, 10, 20 mm/mV, Auto
- **Start-up time**: ≤ 5 second
- **Sensitivity/Gain**: 5, 10, 20 mm/mV, Auto

**Display**
- **Display**: 24 bit Color display
- **Display type**: 5 inch diagonal, 16:9 aspect ratio, TFT LCD with LED graphics backlight
- **Display resolution**: 800 x 480
- **Display data**: Patient ID, gender, age, heart rate, clock, battery power, indicator, waveforms, lead labels, speed, gain, filter settings, warning messages, information message, network status and USB

**Power**
- **Power supply**: AC input (without internal power adaptor) or battery operation
- **AC Power**: 100 to 240 VAC ± 10%
- **Input power**: 60 VA
- **AC Frequency**: 50/60 Hz ± 3 Hz
- **Battery**: rechargeable lithium ion battery
- **Battery capacity**: 11.1 V (typical), 2000 mAh
- **Battery charge time**: 3.5 hours with power off

**Environmental Specification**
- **Temperature**: Operating: 0°C to 40°C, Storage: -20°C to 60°C
- **Humidity**: Operating: 15% to 95% RH non-condensing, Transport: 10% to 95% RH non-condensing
- **Pressure**: Operating: 57.0 kPa to 107.4 kPa, Transport: 0 kPa to 107.4 kPa

**Ergonomic Specification**
- **Dimensions**: Width: 260 mm, Depth: 194 mm, Height: 56 mm

**BeneHeart R3**

**Your Faithful Consultant for Resting ECG Diagnosis**
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.