BeneHeart C1A

Adult/child mode

switch

Switch to child mode for reduced

energy and appropriate CPR guidance

Automated External Defibrillator (AED)

Defibrillator Language button Optional feature allows the user to **Operations** Semi-automatic and fully automatic switch between max. 3 languages versions **Physical Characteristics** Waveform Biphasic Truncated exponential (BTe), 210 mm (w) x 286 mm (d) x 78 mm (h) Dimension with automated voltage and duration Weight 2.0 kg (including one battery) compensation for patient impedance **Environmental** Range of selected 100 to 360 J (adult) **Dust/water** IP55 energy 10 to 100 J (child) resistance **Energy default** 200-300-360 J (adult) **Temperature** Operating: -5 to 50 °C 50-70-100 J (child) Short-term storage: -30 to 70 °C for a **Default configuration meets AHA/ERC** maximum of 7 days Guidelines 2015. Long-term storage: 15 to 35°C **Energy accuracy** ±2 J or ±10 % of setting, whichever is Humidity Operating/storage: 5 to 95 % (nongreater condensing) Power on time < 2 seconds Altitude Operating/storage: -381 m to +4575 m **ECG** analysis time < 5 seconds RTCA-DO-160G-2010, Section 7 Shock Charge time 0 seconds (as device is pre-charged IEC60601-1-12,10.1.3, 10.1.4 during ECG analysis) **Vibration** MIL-STD-810G-2008, method 514.6, Time from power on < 8 seconds (200J, new battery, 20 \pm Category 13, Category 14, Category 20, to shock ready 5℃) Category 24 Mindray shockable Acquires and analyzes the patient's ECG EN13718-1, 4.7.2 rhythm analysis signals to determine whether or not to EN1789, 6.3.4.2 **Bump** algorithm give a defibrillation shock EN13718-1, 4.7.2 Sensitivity and Meets AAMI DF80 specifications and IEC Drop 1.5 m specificity 60601-2-4 specifications **EMC** IEC60601-1-2: 2014 Patient impedance 25 to 300 Ω EN13718-1, 4.5.7 range IEC 60601-1-12, 11 **User Prompts Battery User prompts** Voice prompts Lithium manganese dioxide (Li/MnO2), Type **CPR** coaching Voice guide disposable, 4200 mAh **CPR** metronome Standby life 6 years (at 20±5 °C, performing auto CPR real-time feedback¹ test every week, not in use, not sending **CPR** protocol Meets AHA/ERC Guidelines 2015 and/or self-test report) can be configured locally 5 years (at 20±5 °C, performing auto **Controls** test every day, not in use, not sending Lid release/ON-OFF Controls device power on/off self-test report) **Shock button** Delivers energy when button presses by Capacity With new battery at 20±5 °C: the user (semi-automatic only)

≥ 15 hours of operating times; provides

Min. 10 shocks at 200 J and 30 minutes

max. 400 shocks @200J (± 3 shocks

< 1 minute)

Replace battery

indication of operating time (at 20 ± 5 °C, typical).

Weight 300 g

Electrode Pads

Type Pre-connected, disposable, for

adult/child

Shelf life 5 years (from date of manufacture)

CPR Sensor²

Weight Approximately 180 g (without battery)

Thickness 17.5 to 19 mm

Automatic Self-test

Auto-test Daily, weekly, monthly, quarterly
Status indicator Visual indicators indicating system

readiness

Data Storage

Events Up to 500 events

Voice recording Up to 1 hour

CPR data Up to 5 hours

Self-test reports 1000 records

Data export Through USB flash memory

Communications

Wireless data Through 5G/2.4G Wi-Fi or cellular (4G)³

transfer to AED- network

Alert™2.0 system

your local sales representatives.

2.0 system, please contact with your local sales representatives.

www.mindray.com

P/N:ENG-C2 Datasheet -210285X2P-20190830

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¹ Requiring to configure with CPR sensor

 $^{^{2}\}mbox{For further information about the availability of CPR sensor, please contact with$

 $^{^3} For \ further \ information \ about \ the \ availability \ of \ 4G \ data \ transfer \ and \ AED-Alert^{TM}$