

ARM XR Automated Chest Compression Device

RMU-2000 TECHNICAL SPECIFICATIONS†

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Life-Assist
Helping Heroes Save Lives

COMPRESSIONS

COMPRESSION MODES

- Continuous Mode:
Continuous compressions
- Protocol Mode:
30:2 (30 compressions followed by a 3-second ventilation pause for 2 rescue breaths; audio indication prior to each ventilation pause)

COMPRESSION DEPTH

Available compression depth of 1.5 to 2.4 inches (38 to 60 mm) ± 0.1 inches (± 2 mm), with a target compression depth of 1.8 to 2.2 inches (46 to 56 mm) determined by anterior posterior diameter of patient chest from piston position.

COMPRESSION FREQUENCY

100 – 110 ± 1 compressions per minute

COMPRESSION DUTY CYCLE

50% $\pm 5\%$

PRESSURE PAD RELEASE

To allow for chest rise (e.g. during asynchronous ventilation or spontaneous gasping), the pressure pad moves up to 0.6 inches (1.5 cm) above the start position at every compression.

PHYSICAL

SIZE (assembled)

25 x 20 x 9 inches
(63.5 x 50.8 x 22.9 cm)

SIZE (in carrying case)

21 x 19 x 11 inches
(53.3 x 48.3 x 28.0 cm)

WEIGHT (with battery pack)

16.4 lbs. (7.5 kg)

PATIENTS ELIGIBLE FOR TREATMENT

Adult patients that fit into the device:

- Chest width –
17.5 inches
(44.4 cm) maximum
- Chest height –
7.4 to 12.7 inches
(18.8 to 32.3 cm)

Use of the RMU-2000 ACC device is not restricted by patient weight

AC POWER ADAPTER

MODEL NUMBER

RPM-2000

RATED OUTPUT

24.0VDC ($\pm 5\%$)

INPUT VOLTAGE

100 – 240VAC,
50/60Hz nominal

INPUT CURRENT

1.5A

USA Rx ONLY

ENVIRONMENTAL

OPERATING / MAINTENANCE TEMPERATURE

0 to 40°C (32 to 104°F)

STANDBY / STORAGE / TRANSPORT TEMPERATURE

-20 – 60°C (-4 – 140°F)

The maximum time required for the device to adapt to operating temperature after storage is 2 hours

HUMIDITY

5% to 95%
(non-condensing)

SEALING / WATER RESISTANCE

IEC 60529 class IP43
(battery pack installed)

DEVICE CLASSIFICATION

Internally powered Class II
(with external power source)

DESIGN STANDARDS

Meets applicable requirements of:

- IEC 60601-1
- ANSI/AAMI ES60601-1
- CAN/CSA C22.2 60601-1
- IEC 60601-1-2

ELECTROMAGNETIC COMPATIBILITY (EMISSIONS & IMMUNITY)

- IEC 60601-1-2
- AIM 7351731
- EN 55025/CISPR 25

ATMOSPHERIC PRESSURE

620 – 1060 hPa
per IEC 60601-1-12

DATA TRANSMISSION / RADIO MODULE

The device can send device data (e.g. event data and device status) to a host PC wirelessly via a Silicon Labs BT121 Bluetooth® Module or a wired USB connection.

BATTERY PACK

MODEL NUMBER

RBP-1000

BATTERY TYPE

18.0V, 5600 mAh, Lithium-ion.
Rechargeable, recyclable.

OPERATION TIME

1 hour (nominal patient)*

BATTERY PACK CHARGE TIME

Less than 3 hours in ACC*
Less than 2 hours if charging one battery pack in optional external battery pack charging station (less than 3 hours if charging two battery packs)*

BATTERY PACK USEFUL LIFE

Recommended to replace battery pack every 3 years or if battery pack indicator

displays a replace battery pack condition (~300 charge/discharge cycles**)

BATTERY PACK OPERATING / CHARGING TEMPERATURES

0 to 40°C (32 to 104°F)
ambient

BATTERY PACK STORAGE TEMPERATURE

0 to 40°C (32 to 104°F);
-20 to 60°C (-4 to 140°F)
short-term <1 month

SEALING / WATER RESISTANCE

IEC 60529 class IP44

*typical, new battery, at 25°C

**one charge/discharge cycle is defined as charging and discharging the full capacity of the battery pack

†Specifications subject to change without notice



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