

# ARM XR ACC

Automated chest compression device for EMS



The newest addition to the Defibtech product family is the ARM XR automated chest compression (ACC) device designed for professional rescuers. ARM XR ACC helps emergency personnel deliver continuous, high-quality CPR for patients in cardiac arrest. Easy to deploy and use, ARM XR allows first responders to transition from manual to mechanical CPR in seconds, and maintain continuous compressions over long durations. Count on ARM XR to deliver consistent, high-quality CPR from the rig to the hospital.



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# ARM XR Automated Chest Compression Device

## RMU-2000 TECHNICAL SPECIFICATIONS†

### 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)  $\pm 0.1$  inches ( $\pm 2$  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  $\pm 1$  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 60601-1-2

#### 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