

# ARM XR

Automated Chest Compression Device

**TAKE YOUR RESUSCITATION  
TO THE NEXT LEVEL**



# MAKE THE MOST OF YOUR MANPOWER AND BUDGET

Defibtech's new ARM XR is an automated chest compression system that 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 and during transport.

## WITH THE ARM XR, EMS TEAMS CAN:

- Provide high-quality CPR with appropriate compressions per minute, depth of compressions and active chest recoil
- Run a cardiac arrest code with smaller teams and reduced fatigue/stress
- Treat large and small patients with automated compression depth adjustment
- Extend budgets with our cost-effective, rugged mechanical CPR system



# ENGINEERED TO LAST LONGER AND WORK AS HARD AS YOU

**LIGHTWEIGHT.**

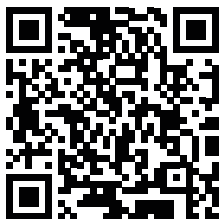
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**LONGER BATTERY LIFE.**

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**FULL CHEST RECOIL.**

To learn more visit  
[eu.nihonkohden.com](http://eu.nihonkohden.com)  
or scan QR code



# SAVING LIVES IS OUR SINGULAR FOCUS

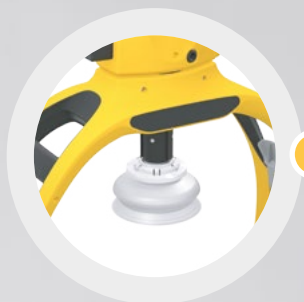
Defibtech is committed to saving lives by producing the highest-quality medical technologies for cardiopulmonary resuscitation (CPR). Our products include award-winning automated external defibrillators (AEDs) and innovative automated chest compression devices like the new ARM XR.



## **BUILT-IN COST AND RESOURCE SAVINGS**

ARM XR provides cost-effective performance, and it's so intuitive a single EMT can operate to free up resources for other tasks.





Provides a consistent compression depth in and out of the hospital setting.



Unmatched battery life provides uninterrupted compressions for 60 minutes.



Straps secure patient arms and device during transport to hospital or cath lab.



Suction cup piston design generates resuscitation compressions and up to 1.5 cm of recoil for chest wall expansion.



Lightweight frame and integrated backboard allow for faster, smoother patient application, even for larger patients.



# SPECIFICATIONS

## ARM XR (RMU-2000)

### COMPRESSIONS

Compression modes	<ul style="list-style-type: none"> <li>Continuous Mode: Continuous compressions</li> <li>Protocol Mode: 30:2 (30 compressions followed by a 3-second ventilation pause for 2 rescue breaths; audio indication prior to each ventilation pause)</li> </ul>
Compression depth	Available compression depth of 38 to 60 mm $\pm$ 2 mm, with a target compression depth of 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%
Compression frequency	100 – 110 $\pm$ 1 compressions per minute
Pressure pad release	To allow for chest rise (e.g. during asynchronous ventilation or spontaneous gasping), the pressure pad moves up to 15 mm above the start position at every compression.

### 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 ambient
Battery pack storage temperature	0 to 40°C; -20 to 60°C 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

### AC POWER ADAPTER

Model number	RPM-2000
Rated output	24.0VDC ( $\pm$ 5%)
Input Voltage	100 - 240VAC, 50/60Hz nominal
Input current	1.5A

### PHYSICAL

Size (assembled)	63.5 x 50.8 x 22.9 cm
Size (in carrying case)	53.3 x 48.3 x 28.0 cm
Weight (with battery pack)	7.5 kg
Patients eligible for treatment	Adult patients that fit into the device: <ul style="list-style-type: none"> <li>Chest width – 44.4 cm max</li> <li>Chest height – 18.8 to 32.3 cm</li> </ul>

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

### ENVIRONMENTAL

Operating/maintenance temperature	0 to 40°C
Standby/storage/transport temperature	-20 to 60°C – 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: <ul style="list-style-type: none"> <li>IEC 60601-1</li> <li>ANSI/AAMI ES60601-1</li> <li>CAN/CSA C22.2 60601-1</li> <li>IEC 60601-1-2</li> </ul>
Electromagnetic compatibility (emissions and immunity)	<ul style="list-style-type: none"> <li>IIEC 60601-1-2</li> <li>AIM 7351731</li> <li>EN 55025/CISPR 25</li> </ul>
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

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