ARM XR

TAKE YOUR RESUSCITATION TO THE NEXT LEVEL

defibtech
A Nihon Kohden Company

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 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 & reduced fatigue/stress
- ✔ Treat large & small patients with automated compression depth adjustment
- ✔ Extend budgets with our cost-effective, rugged mechanical CPR system

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 consistent compression depth in and out of the hospital setting.

Unmatched battery life provides uninterrupted compressions for 60 minutes – 33% longer than competitive devices.

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

Suction cup piston design generates resuscitation compressions and up to 0.6 in (1.5 cm) of recoil for chest wall expansion.

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

ENGINEERED TO LAST LONGER AND WORK AS HARD AS YOU

Lightweight.

Longer Battery Life.

Full Chest Recoil.

To learn more visit
defibtech.com
or scan QR code

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) ±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% ±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 (±5%)

INPUT VOLTAGE

100 - 240VAC, 50/60Hz nominal

INPUT CURRENT

1.5A

! USA Rx ONLY

†Specifications subject to change without notice

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

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Defibtech, LLC • Guilford, CT 06437 USA • 1-203-453-4507 • 1-866-DEFIB-4U (1-866-333-4248)
www.defibtech.com

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