

# Lifeline ARM Automated Chest Compression Device

## RMU-1000 TECHNICAL SPECIFICATIONS†

### COMPRESSIONS

#### COMPRESSION MODES

Continuous Compressions;  
Compressions with Breathing  
(30:2, 30 compressions  
with 3-second pause for  
ventilation) factory default;  
future protocols via  
field updates

#### COMPRESSION DEPTH

2.1 inches  $\pm$ 0.1 inches  
(5.3 cm  $\pm$ 0.3 cm)  
from start position  
(nominal patient)

#### COMPRESSION FREQUENCY

101  $\pm$ 1 compressions  
per minute

#### COMPRESSION DUTY CYCLE

50%  $\pm$ 5%

### PHYSICAL

#### SIZE (assembled)

23.5 x 20.75 x 9 inches  
(59.7 x 52.7 x 22.9 cm)

#### SIZE (in carrying case)

24 x 18 x 10 inches  
(61.0 x 45.7 x 25.4 cm)

#### WEIGHT (with battery pack)

15.9 lbs (7.1 kg)

#### ADULT PATIENT RANGES

Adult patients that fit into  
the ACC:

Chest width –  
18 inches (45.7 cm) max

Chest height –  
6.5 to 11.8 inches  
(16.5 to 30 cm)

Use of the RMU-1000 is not  
restricted by patient weight

### AC POWER ADAPTER

#### MODEL NUMBER

RPM-1000

#### RATED OUTPUT

24.0VDC ( $\pm$ 5%)

#### INPUT VOLTAGE

100 - 240VAC,  
50/60Hz nominal

#### INPUT CURRENT

$\leq$ 2.3A



### ENVIRONMENTAL

#### OPERATING / MAINTENANCE TEMPERATURE

0 to 40°C (32 to 104°F)

#### STANDBY / STORAGE / TRANSPORT TEMPERATURE

-20 to 70°C (-4 to 158°F)

#### HUMIDITY

5% to 95% (non-condensing)

#### VIBRATION

MIL-STD-810G 514.6  
Category 20 (Ground)

#### SEALING / WATER RESISTANCE

IEC 60529 class IP43  
(battery pack installed)

#### DEVICE CLASSIFICATION

Internally powered Class II  
(with external power source)

#### ELECTROMAGNETIC COMPATIBILITY (EMISSIONS & IMMUNITY)

- IEC/EN 60601-1-2:2014
- RTCA/DO-160G Environmental Conditions and Test Procedures for Airborne Equipment, Sections 20 and 21
  - » Radiated susceptibility (category S, T)
  - » Radiated emissions (category M, L)
  - » Conducted emissions (category L, M, and H)

#### DESIGN STANDARDS

Meets applicable requirements of:

- IEC 60601-1
- UL 60601-1
- CAN/CSA C22.2 60601-1
- IEC 60601-1-2

### BATTERY PACK

#### MODEL NUMBER

RBP-1000

#### BATTERY TYPE

18.5V, 5300 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 TEMPERATURE

0 to 40°C (32 to 104°F)  
ambient

#### CHARGING TEMPERATURE

0 to 40°C (32 to 104°F)  
ambient

#### 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, with 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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