

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

1.5A

This product has CE mark approval.

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)

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

ALTITUDE

Up to 2000m

ATMOSPHERIC PRESSURE

99 kPa

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