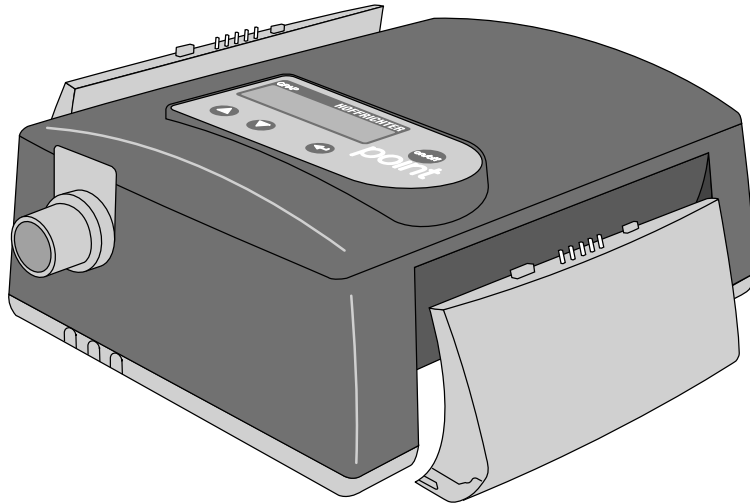


HOFFRICHTER
Quality makes the Difference ■■■■



powerpackpoint

User's Manual
Battery Pack

SERIAL NUMBER

Every HOFFRICHTER GmbH product is supplied with a serial number for traceability purposes.

Please enter your battery's serial number here. You will find the serial number on the rating plate on the inner side of the battery pack.

Serial numbers: /

Please always quote the serial numbers for all queries and complaints.

CONFORMITY



The product complies with the requirements of Directive 93/42/EEC.

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GENERAL

Information on User's Manual

Read this user's manual through carefully before using the batteries for the first time.

Follow the safety and cleaning instructions in particular.

Keep the manual in a safe place close to the battery so that you can refer to them immediately if necessary.

SYMBOLS USED IN THIS USER'S MANUAL

Important information is denoted by symbols in this user's manual. Be sure to follow these instructions in order to avoid accidents, personal injury and material damage.

In addition, the local accident prevention regulations and general safety regulations in force in the area of use must be observed.



This symbol denotes general safety instructions. Follow these instructions to avoid accidents, personal injury or material damage.

NOTICE

This symbol denotes situations that may lead to material damage or damage to the product.

IMPORTANT

This symbol denotes information, tips and instructions for the efficient, error-free use of the product.

SYMBOLS ON THE RATING PLATE



Observe the warning and safety instructions in the user's manual.



BF application part



Protection class II (protective insulation)



CE conformity declaration



Manufacturer



Follow the user's manual.



Do not dispose of the device in the household waste. Please contact the relevant customer services department to find out how to dispose of the device properly.

SAFETY INFORMATION

GENERAL SAFETY INSTRUCTIONS



- Only use the batteries in combination with the point respiratory therapy device. Follow all the specific user instructions for them.
- Do not use the batteries if they are damaged or not working. In this event, inform your specialist dealer immediately.
- Do not throw batteries into water or onto the fire.
- Do not expose the batteries to any high temperatures or direct sunlight.
- The batteries' contact pins must not touch each other as a short circuit may occur.
- Do not try to open the batteries.
- Keep the batteries and their contact pins away from metals as a short circuit with the risk of fire may occur.



- The batteries must never be heated to above 60°C (risk of fire and explosion).
- Only charge the batteries in your point respiratory therapy device in standby mode.

INSTRUCTIONS BEFORE COMMISSIONING



- The inside of lithium ion batteries consists of highly aggressive materials.
- Should the operating time of a battery be very short in spite of it being fully charged, the battery is dead and must be replaced.
- It is usual for the batteries to get hot while they are being charged and when they are in use. The permissible ambient temperature is
 - during charging: +10°C to +35°C,
 - in operation: +5°C to +40°C,
 - when being stored: -20°C to +50°C.
- The lower the ambient temperature is, the longer it will take to charge the batteries.
- New batteries only reach their full capacity after three to four charging or discharging cycles.
- If you do not know the charge level of the batteries, charge them completely.

INTENDED USE

The **powerpackpoint** consists of 2 lithium ion batteries and is intended as an independent power supply for use with the point respiratory therapy device. The point is a respiratory therapy device for treating obstructive sleep apnea syndrome (OSAS) in patients weighing more than 30 kg.

Range of application for **powerpackpoint**:

1. Travel mode

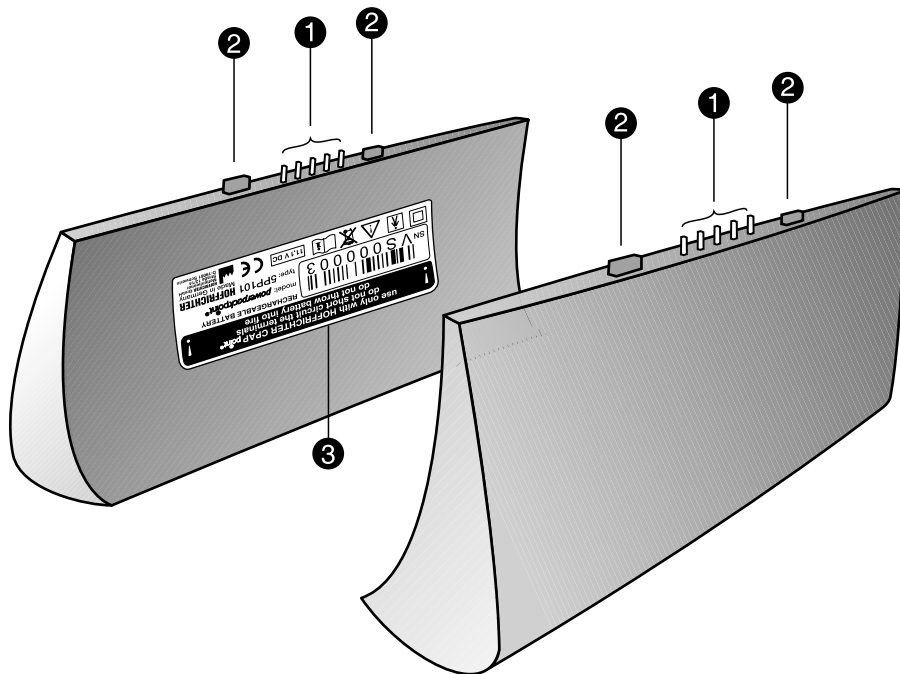
In travel mode, the point only uses batteries to provide power. The battery capacity allows the device to be used for approx. 8 hours. After this time, the point must be connected to the mains power supply to charge the batteries (see page 15).

2. Power failure back-up

The power failure back-up guarantees reliable operation without loss of treatment in areas where there are frequent power failures. If the power supply fails, the point switches automatically to battery mode without any break in treatment. When the power supply is restored, the point switches back automatically to mains power and the batteries are charged again in standby mode.

DESCRIPTION OF THE BATTERIES

1. Contact pins
2. Centring tabs
3. Rating plate



FITTING AND REMOVING

FITTING

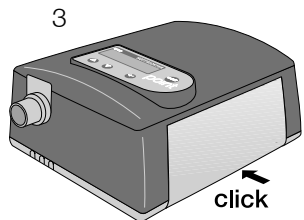
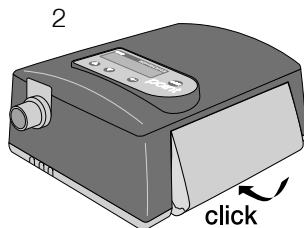
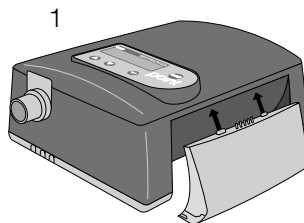
Follow the following steps very carefully:

1. Attach the first battery to the side of the point. Ensure the the centring tabs and contact pins are fitted properly.
2. Press the battery down onto the point in the direction of the arrow until it locks into place (3).

Fit the second battery to the other side of the device.

IMPORTANT

The point will only work without mains power if both batteries are fitted.

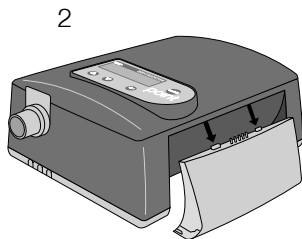
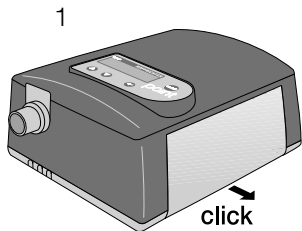


REMOVING

Follow the following steps very carefully:

1. Pull the first *powerpackpoint* battery on the side of the point outwards until you can feel resistance.
2. Remove the battery downwards from the point in the direction of the arrow.

Remove the second *powerpackpoint* battery on the other side of the device.



USING THE BATTERIES



- Do not expose the batteries to any unnecessary vibrations.
- Only charge the batteries at ambient temperatures of between +10°C and +35°C. The charging procedure is based on a chemical reaction: Too low a temperature adversely affects the reaction whereas too high a temperature prevents full charging.
- Store batteries in a cool, dry place. Excessively long exposure to high temperatures accelerates the natural discharging process and shortens the service life.
- The optimum charging condition for storage is between 50% and 75%. When storing for an extended period the batteries should, however, be fully charged every 6 months to prevent total discharge.
- If they are not being used, store the batteries in their original packaging.

COMMISSIONING

NOTICE

Charge the batteries fully before you use the point for the first time in battery mode.

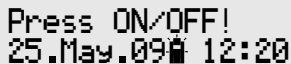
With fully charged batteries, the point respiratory therapy device can be operated for approx. 8 hours. The actual operating time depends, however, on the parameters set.

IMPORTANT

The therapy air cannot be humidified in battery mode.






CHARGING THE BATTERIES

To charge the batteries, install them in the point as described on page 12. Charging begins as soon as the point is connected to the mains and is in standby mode. You will know they are charging by a flashing battery symbol on the display.



Press ON/OFF!
25.May.09 12:20

The charging progress is shown as follows:

-  flat
-  25% charged
-  50% charged
-  75% charged
-  100% charged

When the batteries are completely charged (100%), the battery symbol stops flashing and remains on.

It takes approximately 5 hours to charge flat batteries.

TURNING THE POINT ON AND OFF IN BATTERY MODE






Press the ON/OFF key to switch the point on. To switch the device off, press and hold the ON/OFF key for more than 3 seconds.

IMPORTANT

In battery mode, the point switches to standby mode automatically after 1 minute.

CHARGE LEVEL INDICATOR

The battery capacity is shown by a battery symbol on the display.

-  flat
-  25% charged
-  50% charged
-  75% charged
-  100% charged

Battery low

When the batteries are flat, **Battery low** appears on the display. At the same time, a beep sounds and the therapy stops.

Connect the device to the mains to charge the batteries or continue the treatment.

CLEANING

You only need to clean the batteries if it is necessary. To do this, proceed as follows:

1. Remove the batteries from the point (see page 13).
2. Clean the batteries with mild soapy water. Do not use any other agents!
3. Let the batteries dry completely in the air.

NOTICE

Ensure in particular that the contact pins are completely dry before putting the batteries back in the device.

DISPOSAL



Do not dispose of the batteries with the household waste.

Please contact the relevant customer services department to find out how to dispose of the batteries properly.

Proper disposal saves natural resources and prevents harmful substances being released into the environment.

TECHNICAL DATA

Dimensions (W x D x H)	160 x 36 x 70 mm (per battery)
Weight	ca. 300 g (per battery)
Operating voltage	11.1 VDC (per battery)
Capacity	2150 mAh (per battery)
Battery life	> 8 hours (at 10 hPa, 12 bpm and 500 ml respiratory time volume)
Charging temperature	+ 10°C ... + 35°C
Operating temperature	+ 5°C ... + 40°C
Storage temperature	- 20°C ... + 50°C
Product class according to 93/42/EEC	Ila
Classification according to EN 60601-1	Protection class II, BF type device

CE marking as per EC directive 93/42/EEC.

The manufacturer reserves the right to make technical changes without notice.

DISCLAIMER

HOFFRICHTER GmbH is not liable for consequences in terms of safety, reliability and performance of the product where:

- interventions, modifications, extensions, calibration, repairs and maintenance are carried out by persons not authorized by us,
- other manufacturers' accessories and spare parts are used that have not been approved by us for use on the product,
- the product is used other than as described in the user's manual or
- the hygiene and cleaning instructions described in the user's manual have not been complied with.

Statutory guarantee rights remain unaffected by this.

HOFFRICHTER GmbH
Mettenheimer Strasse 12/14
19061 Schwerin
Germany
Phone: +49 385 39925-0
Fax: +49 385 39925-25
E-mail: info@hoffrichter.de
www.hoffrichter.de