

User manual training battery corpuls aed

Related Documents

For information on the use, maintenance, configuration and troubleshooting of the corpuls aed, please consult the respective current version of the user manual and service instruction.

Component list

- Training battery corpuls aed
- Charger for the training battery corpuls aed, with four mains plug adapters and user manual
- Training accessories, compatible as for the corpuls3 and corpuls1


Special markings of the training battery corpuls aed

- *Protruding grey flag, at the side saying „NOT FOR PATIENT USE“*
- *Red front saying „ONLY FOR TRAINING PURPOSES“*



Fig. 1: Training battery corpuls aed with charger for training battery corpuls aed

Using the Training Battery corpuls aed

- As long as the training battery corpuls aed is inserted, the corpuls aed shows the red tool symbol  in the status display.
- No further feedback via the screen of the corpuls aed
- For training use of the corpuls aed the user manual must be read and understood. The user should be aware that an energy of up to 200 J can be released via the therapy electrodes.

Charging process

Prerequisites:

1. Use the training battery corpuls aed (P/N 06120.1).
2. Read and understand the user manual for Training battery corpuls aed.



Warning

Electric shock due to damaged cable!

Can lead to an injury of the user.

Before connecting, inspect the cable of the charger for training battery corpuls aed for damage. If the cable is damaged, do not use the charger for training battery corpuls aed and contact your authorised service and sales partner.

Procedure

1. Depending on the area of use, insert one of the four available mains connector adapters (see Technical Specification - Charger for training battery corpuls aed) into the mains connector of the charger for training battery corpuls aed (see separate user manual Charger for training battery corpuls aed).
2. Insert the connector DC output of the charger for training battery corpuls aed into the socket of the training battery corpuls aed. Insert the connector DC output of the charger for training battery corpuls aed into the socket of the training battery corpuls aed.



Fig. 2: Training battery corpuls aed with view of socket

3. The charger starts charging the training battery and the LED "State of charge" is glowing orange (CC charging phase and following CV charging phase) while charging and green when fully charged.

LED	Charging phase	Description
Orange	CC charging phase CV charging phase	The training battery is being charged.
Green	Status fully charged	The training battery is fully charged.

Removal and Inserting the Training Battery corpuls aed into the corpuls aed

See description in the service manual corpuls aed "Replacing the battery".

Cleaning

Separate the training battery corpuls aed from the charger for training battery corpuls aed and wipe as necessary with standard cleaning agent. Please note the chapter "Cleaning and Disinfection" in the user manual corpuls aed. Do not use scouring agents for cleaning.



Warning

Do not immerse the training battery corpuls aed and the charger for training battery corpuls aed in a cleaning-/disinfecting liquid.

Rating plate Training battery corpuls aed



Symbols



Read the user manual



Caution, handle battery with care



Do not throw the battery into fire



Do not deform the battery



Part number



Disposal notes battery

Technical Specifications – Training battery corpuls aed

General Technical Specifications	
Type	Li-Ions
Dimensions (H x W x D in cm)	3 cm x 9 cm x 18 cm [1.18 in x 3.54 in x 7.09 in]
Weight (incl. battery in kg)	0.325 kg
Nominal capacity	3.45 Ah
Nominal voltage	10.8 V (3 x 3.6 V)
Charging method	Constant Current Constant Voltage (CCCV) – 69 mA cut-off
Charging voltage/current	Charging voltage: 12.6 V Standard charging current: 3000 mA Max. charging current: 3500 mA
Discharging voltage/current	Discharging voltage: 7.5 V Max. discharging current: 6000 mA
PCM Features	Over-/Undervoltage Excess current
Remaining time	After approx. 60 shocks, the corpuls aed shows only one bar. Then, about 30 to 40 shocks can still be released. It is recommended to charge the battery when one bar is shown.
Rechargeable	Yes
Operating temperature range	Charging: -0 °C to +45 °C Discharging: -20 °C to +65 °C
Storage temperature range	0 °C to +30 °C (with acceptable self-discharge)
Air humidity (operation and storage)	95% (without condensation)
Protection class	IP66




Warning

Fire, explosion and risk of severe burns!

When handling the training battery corpuls aed wrongly, there is a risk of severe burn injuries due to fire and explosion.

- ▶ Do not crush, short circuit, disassemble, heat over 100 °C or burn.
- ▶ Do not expose housing or content to water.

Technical Specifications –Charger for Training battery corpuls aed

General Technical Specifications	
Type	Li-Ion charger
Dimensions (H x W x D in cm)	9 × 4.5 × 3.2
Weight	115 g (Basic model) 140 g (with AC connector)
Mains connector adapter	Typ 018110 – EURO (250 V/2.5 A) Typ 018111 – US (125 V/2.5 A) Typ 018112 – UK (250 V/13 A) Typ 018114 – AUS (250 V/10 A)
Input voltage	90-264 VAC
Input current	0.35 A
Mains frequency	50 – 60 Hz
Switching frequency	approx. 40 kHz
Leakage current of battery when mains is off	approx. 0 mA
Ripple current	< 100 mV p-p
Efficiency factor (at 100% load, 230V)	78%
Protective measures	Protected against inverse polarity and shortcircuit proof
Protection class against electrical shock when operated via mains charger (according to IEC 60601-1).	II, 
Insulation voltage Primary circuit / Secondary circuit	4000 VAC / 5640 VDC
Electrical safety standards	EN 60950; EN 60601-1 3ed; EN 60335-2-29
EMC standards	Medical: EN 60601-1-2 Emission: EN 61000-6-3 Immunity: EN 61000-6-1
Availability (MIL-HDBK-217F)	MTBF > 250.000 h at 30°C and full load
Operating temperature range	-25°C to +40°C
Storage temperature range	-25°C to +85°C
Air humidity (operation and storage)	93% (without condensation)
Protection class	IP4x

For further information see User manual Charger for training battery corpuls aed.

Compatibility with other corpuls products

The following table gives an overview of the compatibility of corpuls simulator with corpuls defibrillators.

Training battery corpuls aed Version	Compatible corpuls aed version
1.0	CS50165-00D