

EN

INITAL OPERATION INSTRUCTION OmniCycle[®] Connect

Before initial operation the dealer needs to observe this instruction!







- Therapy grips Crank (application part Type BF) Upper body exerciser
- Control and display unit
- **USB-interface**
- Locking-pin for height adjustment of safety handle/upper body exerciser
- Adjustment of inclination for safety handle/upper body exerciser
- Foot fixing
- (1) (2) (3) (4) (5) (6) (7) (8) (10) (11) Foot rest (application part Type BF)
- Base unit
- Transport castor
- Device base with transport castors (12)
- Tip-up protection self-operated (13)
- (14) Leg support
- (15) Supporting arm pipe for safety handle/upper body exerciser
- Star-shaped handle for horizontal adjustment of upper body exerciser (16)
- (17) Lock button for upper body exerciser

Note:

In this overview there is might be included individual options that are maybe not present on the OmniCycle® Connect. This overview offers a summary.

In order to use the OmniCycle® Connect as intended the operation manual needs to be observed.



2 DELIVERY

The OmniCycle[®] Connect comes with individual options. This instruction describes all steps that are required for initial operation. Additional information on how to use, cleaning and disinfection etc. are described in the user manual OmniCycle[®] Connect.

Unpack OmniCycle® Connect:

- Remove OmniCycle[®] Connect from packaging.
- Check OmniCycle[®] Connect incl. all accessories/options for transport damage.
- Check if delivery is complete.
- Inform supplier or forwarding agent immediately about any damage.

Note:

Before initial operation security remarks of the user manual need to be observed.



3 ADJUSTING DEVICE BASE

To increase stability of the OmniCycle[®] Connect adjust the t-bar device base as follows (e.g. device base with transport castors \rightarrow adjustment works the same for all device bases):



- ▶ Tilt OmniCycle[®] Connect on its rear bottom edge.
- Undo the two fixing screws using the tool supplied
- Pull out the t-bar device base no futher than the STOP mark (12 cm).
- Retighten the fixing screws.
- ▶ Tilt OmniCycle[®] Connect to the front again into its normal position.

Use rubber buffers to compensate any unevenness of the floor as follows (not for device base with height adjustment and device base flat):



- Loosen lock nuts **1** with a suitable tool.
- Set height of rubber buffers **2** on device so that OmniCycle[®] Connect is
- stable. Tighten lock nuts.

Requirements to place of installation:

- Do not use OmniCycle[®] Connect in wet, humid or hot environment.
- Put OmniCycle[®] Connect and chair/wheelchair on even and slip-proof
- ▶ floor. Do not use OmniCycle[®] Connect outdoors.
- Environmental conditions:
 - 5 °C to 40 °C
 - 15 to 90 % Rh
 - 700 to 1060 hPa
- Use OmniCycle[®] Connect exclusively with correctly set supply voltage.

EN



4 ADJUSTING 2-STEPPED RADIUS ADJUSTMENT



The crank radius can be adjusted depending on the mobility of the user. The foot rest with 2-stepped radius adjustment can be adjusted to 75 mm or 110 mm.

Note:

The crank radius needs to be adjusted only as needed. The crank radius of 75 mm is standard.

The adjustment can be done as follows:

- Pull power plug from socket outlet.
- Make sure that OmniCycle[®] Connect is switched off.
- Make sure that feet are not in foot rests.
- Loosen screws **1** with suitable tool.
 - Right crank = right hand thread, turn screws anti-clockwise
 - Left crank = left hand thread, turn screws clockwise
- Set crank radius on right-hand and left-hand crank to 75 mm or 110 mm.
- Tighten screws with screw locking (Loctite 243).

5 SETTING INCLINATION OF UPPER BODY EXERCISER/SAFETY HANDLE



In order to enable a training position as upright as possible the inclination of the upper body exerciser/safety handle can be set as follows:

- Loosen 8 screws of tilt adjustment system **2** with suitable tools.
- Set inclination of upper body exerciser/safety handle as required.
- Tighten 8 screws of tilt adjustment system **2**.



6 INSTALLATION OF CONTROL AND DISPLAY UNIT WITH 7"-COLOR SCREEN

In order to assemble the control and display unit with 7" color screen:





- Open screw **2** with a suitable tool.
- Remove service cover **1**.



- Plug cable **3** into control and display unit.
- Control and display unit is connected correctly when the plug connection clicks into place audibly.



- Fix service cover **1** in control and display unit (make sure that the cable gets not clamped).
- Screw **2** service cover **1** with suitable tool.

s Accelerated



- Fix control and display unit **3** to the holder **4** on the upper body exerciser/safety handle.
- Scew control and disply unit with three knurled nuts 5.



7 CONNECTING THE MAIN CABLE

Material damage due to incorrect installation!

- Make sure that plug is plugged in correctly when connecting cables.
- Observe position of plug.







- Use exclusively power plug supplied by the manufacturer.
- Open protective lid **2**.
- Connect plug **1** to port **3**.
- Plug power plug **4** into socket outlet.

8 SETTING LANGUAGE

Accelerated

Language can be set in the sub menu of the control and display unit. In order to access the sub menu:

- Press STOP-button and Minus-button of the resistance adjustment at the same time.
- The sub menu opens.
- Move downward pointing arrow-button down until "System" is highlighted in black.
- Confirm the menu "System" with the button "green hook".
- Move downward pointing the arrow-button down until "Language" is highlighted in black.
- Confirm with button "green hook"
- The desired language can be chosen now.

Confirm with the button "green hook" after choosing the desired language. The OmniCycle[®] Connect will be restarted.

9 SETTING SPASM DETECTION

Enables setting the barrier at which the sensor system recognises an impermissible users movement and, in order to minimise the risk of overstrain, stops the motor.

The spasm detection can be adjusted in three steps in the sub menu of each of the control and display units with color screen.

In order to access the sub menu of the control and display unit with 7" color screen:

- Press STOP-button and Minus-button of the resistance adjustment at the same time.
- The sub menu opens.
- Spasm detection can be adjusted in the training program in 3 steps.
- Iow (1)
 - Úsers with very sensitive joints and tendons.
 - Motor will stop even at slight resistance.
- medium (2)
 - Users with less sensitive joints.
- high (3)
 - Úsers with severe spasms. Motor will stop only at strong resistance.

Please also take note that a larger crank radius respectively a lower motor power will lead to more sensitive reactions of the spasm detection.



10 SETTING MOTOR POWER

The motor power

- is adjustable individually for every training program and every user.
- has a stronger effect on the user's legs/arms with a small crank radius than with a large crank radius.
- limits the motor's maximum drive power.
- for the leg exerciser is adjustable between 2 and 22 Nm.
- for the upper body exerciser is adjustable between 2 and 8 Nm.

Wrong motor power leads to danger of injury by overstraining. The following picture shows recommendations of setting the motor power in relation to the body weight and crank radius. The chosen motor power effects on the training resistance and the spasm detection.



- (1) Position 1 = radius adjustment 6.5 cm
- (2) Position 2 = radius adjustment 7.5 cm
- (3) Position 3 = radius adjustment 8.5 cm
- (4) Position 4 = radius adjustment 9.5 cm
- (5) Position 5 = radius adjustment 10.5 cm
- (6) Position 6 = radius adjustment 11.5 cm

m = mass (weight) of the user, M = torque (power) of the motor

- □ ①-⑥ = marks of stepless radius adjustment
- □ ① = very small radius, corresponds at 2-stepped radius setting roughly with mark 2
- □ 6 = very large radius, corresponds at 2-stepped radius setting roughly with mark 6
- For upper body training, observe marks 2 and 6.
- \square 2 = small crank (75 mm)
- □ ⑥ = long crank (110 mm)

Setting motor power to fit the user's individual needs:

- Setting the motor power in the sub menu for the control and display unit..
- high motor power:
 - high exercising resistance
 - late spasm detection



- low motor power: low exercising resistance
 - early spasm detection
 for sensitive joint systems

Example on how to use the diagram:

A user with a body weight of 80 kg and a chosen (therapeutic) crank radius of step 3 should exercise with a motor power of 15 Nm.

11

Manufacturer:

THERA-Trainer

by medica Medizintechnik GmbH

Blumenweg 8 88454 Hochdorf Germany

Tel.: +49 7355-93 14-0 Fax: +49 7355-93 14-15

E-Mail: info@thera-trainer.com Internet: <u>www.thera-trainer.com</u>

Art. No.: A009-389_Rev 01 Last edit: KW27/2024



For declaration of conformity visit www.thera-trainer.com