

Robotic end-effector gait trainer  
to improve gait and train walking

# lyra



## THERA-Trainer lyra end-effector gait trainer

Item no. U001-700

● = Included ○ = Accessory

Name	Item no.	Included
Base unit - 15,6" Medical display (A007-515) - Software lyra PC-O (A007-533)	A006-206	●
Medical transformer 115V	A007-938	●
Foot plates	A006-213	●
Harness Size L	U002-705	●
Floor plate grey	A008-051	●
Dynamic pelvic stabilisation	A006-211	○
Pelvic support	A006-212	○
Harness Size XS	U002-702	○
Harness Size S	U002-703	○
Harness Size M	U002-704	○
Harness Size XL	U002-706	○
Pediatric handrails	A006-216	○
Carabiner (2 pieces) to extend mounting for large patients	A006-223	○
Interactive biofeedback	A006-207	○
Floor plate lyra light grey	A008-052	○
Floor plate lyra beige	A008-053	○
Service Contract lyra with extended warranty	U009-700	○
Annual preventive maintenance lyra	A006-231	○

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Product specifications	
<b>Product description</b>	THERA-Trainer lyra is intended for gait rehabilitation by increasing the strength of muscles and the range of motion of joints through offering body weight support for patients with limited mobility, caused by cerebral, spinal or neurogenic disorders.
<b>Special product features</b>	<ul style="list-style-type: none"> <li>- <b>End-effector gait trainer:</b> It represents the most effective therapy in the early phase of rehabilitation with the best clinical evidence.</li> <li>- <b>Physiological gait pattern:</b> The patented mechanism imitates a physiological gait pattern with infinitely variable speed regulation from 0 - 2.5 mph at 100 steps per minute. Step length adjustment from 15.4 - 26.4 inch.</li> <li>- <b>Partial automation:</b> This allows up to 20 times more step repetitions and relieves the burden on therapists.</li> <li>- <b>Quick setup:</b> Due to the ground level access, transfer and setup are possible in approx. 3 - 5 minutes. Step length, handrails and weight relief can be adjusted in a few seconds with just a few hand movements.</li> <li>- <b>Dynamic 1-point weight relief:</b> Infinitely adjustable (up to 132 lb dynamic relief/up to 330 lb static relief) with maximum freedom of movement. The lateral weight shift is retained and postural control can be optimally trained.</li> <li>- <b>Modular pelvic stabilisation:</b> The dynamic pelvic stabilisation with expander system is equipped with an adjustable stabilising hip pad and allows easy and quick application.</li> <li>- <b>Intuitive touch:</b> User-friendly interface thanks to intuitive operating logic. All training parameters at a glance.</li> <li>- <b>Interactive biofeedback:</b> Enables automatic recognition of training intensity and analysis of individual patient activity. The patient controls the walking speed by his own activity.</li> <li>- <b>Forward-looking treatment:</b> The THERA-Trainer lyra can be integrated into a THERA-Trainer complete solution at any time.</li> </ul>
<b>Place of use</b>	Suitable for use in enclosed spaces in facilities e.g. clinics, nursing homes, therapy practices
<b>Technical specification</b>	<ul style="list-style-type: none"> <li>- <b>Dimensions (LxWxH):</b> 98.4 x 74.8 x 102.4 inch (closed wing), 98.4 x 94.5 x 102.4 inch (open wing)</li> <li>- <b>Weight:</b> approx. 1,257 lb</li> <li>- <b>Minimum ceiling height:</b> 106.3 inch</li> <li>- <b>Ambient conditions when in use:</b> Temperature: 50 °F to 104 °F Relative humidity: 30 % to 75 % Rh Air pressure: 700 hPa to 1060 hPa</li> <li>- <b>Sound emission:</b> LpA &gt; 59 dB (A)</li> <li>- <b>Power connection:</b> 115 V, 50/60 Hz</li> <li>- <b>Fuse protection:</b> 1 x T 3.15A L 250 VAC</li> <li>- <b>Protection class:</b> II</li> <li>- <b>Degree of protection:</b> Type B</li> <li>- <b>Protection category:</b> IP20</li> <li>- <b>Service life:</b> 10 years</li> </ul>
<b>Patient requirements</b>	<ul style="list-style-type: none"> <li>- <b>Patient weight:</b> max. 330 lb</li> <li>- <b>Patient height:</b> 39.4 - 76.8 inch</li> </ul>
<b>Delivery and commissioning</b>	<ul style="list-style-type: none"> <li>- <b>Transport and assembly:</b> only by authorised specialists</li> <li>- <b>Commissioning and user instruction:</b> only by authorised specialists</li> <li>- <b>Transport and storage conditions:</b> Temperature: 14 °F to 158 °F Relative humidity: 15 % to 85 % Rh Air pressure: 700 hPa to 1060 hPa</li> </ul>
<b>Service/Maintenance</b>	<ul style="list-style-type: none"> <li>- <b>Service:</b> only by authorised service technicians</li> <li>- <b>Maintenance:</b> professional maintenance must be carried out annually</li> </ul>
<b>Registration</b>	Medical device class: II (USA) CE marking: CE0297 (monitored by certification body)