

Technical Data Erigo®

Device description:

The Erigo is a computer-controlled robotic device consisting of a verticalization table and an integrated leg movement mechanism. It gradually brings the patient into an upright position while moving the legs and applying cyclic leg loading. This enables safe verticalization and early functional mobilization of the lower extremity in patients with very reduced or no ambulation ability and/or reduced transfer and standing abilities, who are immobile in bed or in need of a wheelchair for mobility. The Erigo is available both in a standard (ErigoBasic) and advanced version (ErigoPro). With the ErigoPro, the patient stimulation can be additionally enhanced by synchronized functional electrical stimulation (FES).

Key features:

- Adjustable progressive verticalization up to 90°
- Cyclic leg movements 8-80 steps/min
- Mechanical leg loading up to 50 kg
- Erigo FES by Hasomed*

Software features:

- Intuitive graphical user interface for adjusting and saving training parameters via touch screen (15.5-inch / 16:9 ratio)
- Adjustable guidance force for leg drives 0-100 % (symmetric/asymmetric)
- Adjustable range of motion 0-45° (symmetric/asymmetric)
- Adjustable leg loading
- Real-time feedback of the adjustable leg loading force*
- Adjustable verticalization angle 0°-90°
- Adjustable hip extension angle 0°-10°*
- 3 different movement patterns (sine wave, gait, alternating leg)*
- FES stimulation synchronized with the leg movement of the Erigo and fully operable via graphic user interface*
- FES stimulation intensity (amplitude) adjustable for each channel separately, other parameters (frequency, pulse width, ramp) adjustable non-channel specific*
- Patient specific history function of performed trainings
- Reporting functionality for documenting therapy progress
- Remote support and service diagnostic tools for error handling

Safety and Comfort:

- Height adjustment for patient transfer (56-84 cm)
- Flexible patient harness and different leg cuff sizes
- Head elevation function for patient setup*
- Continuously adjustable stride width
- Footplates adjustable to different foot positions (plantar/dorsal flexion, pronation/supination), mechanism to block/allow additional ankle joint movement
- Demountable back cushion (70 mm thick), fluid-proof and biostatic cover, biocompatible according to ISO 10993
- Demountable foot padding allowing to train barefoot, fluid-proof and biostatic cover, biocompatible according to ISO 10993
- Integrated standard rail (25 x 10 mm) for attaching additional hospital equipment such as monitoring systems

- Arm- and headrest set*
- Adjustment in height, verticalization, hip flexion and extension*, and leg length by means of remote control
- Four casters with integrated central blocking and direction control function for the front casters
- Mechanical emergency release in case of power breakdown

Mains connections:	<ul style="list-style-type: none">• 220 - 240 V~ / 50 - 60 Hz• 110 - 120 V~ / 50 - 60 Hz
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Weight:	<ul style="list-style-type: none">• Approx. 300 kg (661 lb)
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Dimensions:	<ul style="list-style-type: none">• L x W x H: 227 x 86 x 242 cm (89 x 34 x 95 in)
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Space requirements:	<ul style="list-style-type: none">• L x W x H: 400 x 240 x 245 cm (157 x 157 x 96 in)
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Operating conditions:	<ul style="list-style-type: none">• Temperature: 10 - 35 °C (50 – 95 °F)• Humidity: 20 - 75 % relative air humidity• Altitude / air pressure: < 2000m / 780 – 1060 hPa
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Patient requirements:	<ul style="list-style-type: none">• Patient weight capacity: max. 135 kg (297 lb)• Continuous adaptation to patient's leg length: 69-104 cm (27-41 in)
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* Applies only for Erigo®Pro

All information is subject to change without notice.

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