

Technical Data Armeo[®]Power

Version:	1.2		
Device description:	The Armeo [®] Power is a rehabilitative exercise device for upper extremity therapy. The main component of the ArmeoPower is a motorized arm orthosis, which is able to support the weight of a patient's arm and to assist the patient during specific exercises in a large 3D workspace. The ArmeoPower is intended for patients who have lost the function or have restricted function in their upper extremities caused by central nervous or peripheral neurogenic, spinal, muscular or bone-related disorders. The ArmeoPower supports specific exercises for increasing the strength of muscles and the range of motion of joints in order to improve motor function. Furthermore, the ArmeoPower assists clinicians in evaluating these functions. The optional module ManovoPower is a motorized hand module which supports opening and closing of the hand in reach and grasp movements.		
Key Features:	 Motorized arm orthosis with 6 actuated degrees of freedom covering an extensive 3D workspace Assist-as-needed arm support that adapts to the patient's capabilities Augmented Feedback with motivating exercises to train activities of daily living Assessment Tools for objective analysis and documentation of the patient's progress Optional: motorized hand module for coordinated reach and grasp movements 		
Mobility:	System mounted on a mobile platformCasters' diameter: 10 cm		
	 Device's dimensions: 2.7 m (I) x 0.8 m (w) x 1.65 m (h) Weight: approx. 205 kg 		
Room requirements:	 Space: 3.5 x 3.5 x 2 m (l x w x h) Temperature: 10 °C - 35 °C Humidity: 30 % - 75 % relative air humidity 		
Mains connection:	• 100-240 V~ / 50/60 Hz		
Display:	24 inch flat screen monitor with integrated speakers		
Adaptability to patient:	 Electric lifting column for comfortable height adjustment (range: 400 mm) Continuous adaptation to subject's dimensions forearm lengths (elbow to handgrip): 310 - 420 mm upper arm lengths (shoulder to elbow): 250 - 340 mm Continuous adaptation of weight compensation force to subject's needs System platform compatible with commonly used wheelchairs Patient weight max. 135 kg (297.6 lbs) 		



Degrees of freedom:	• Han	 Horizontal shoulder abduction (relative to sagittal plane through shoulder joint): - 169° to + 50° Shoulder flexion/extension (relative to frontal plane): + 40° to + 120° Shoulder internal/external rotation: 0° to 90° Elbow flexion/extension: 0° to 100° Forearm pro-/supination: - 60° to 60° Wrist flexion/extension: - 60° to 60° d grip with integrated sensor to measure grip pressure or an optional actuated hand lule ManovoPower (7th degree of freedom)
Armeocontrol Software:	indi • Par • Mot • Ass	 er database with an individual account for every patient (allows for managing vidual therapy schedule, storing patient settings, logging activity and results) ameters individually adjustable to the patient's needs and abilities: Exercise workspace Difficulty level of every exercise ivating games and exercises essment Tools for relevant parameters of the patient's performance cumentation of the patient's performance: Easily understandable summary of the patient's progress Detailed, Excel readable exercise report

All information is subject to change without notice.

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