

## ARTROMOT<sup>®</sup>-S4

The new dimension in  
shoulder CPM therapy



## Technical Information

### Range of Motion (ROM)

Adduction/abduction	0° / 30° / 160°
Anteversion/retroversion	110° / 0° / 10°
Internal/external rotation	90° / 0° / 90°
Elevation (Ex/Flex)	0° / 30° / 160°

### Motion patterns

PNF	Movements following the PNF pattern
Wave	Undulating movements resembling a sideways figure eight
Isolation	Enables separate exercises in all 3 directions of motion within a single treatment
Oscillation	Increases motion frequency in the EROM
Stretching	Gently increases the range of motion

### Specifications

Protection class	II
IP class	IP21
Applied part	Type B
MDD	II a
Goniometer accuracy	±2°

### Dimensions

Weight	28 kg
Dimensions – use (L×W×H)	166 × 100 × 160 cm
Dimensions – transport (L×W×H)	Box 1: 81 × 68 × 56 cm, 19 kg Box 2: 111 × 39 × 12 cm, 11 kg Box 3: 69 × 54 × 18 cm, 9 kg
Patient height	approx. 120 to 210 cm
Max. continuous load on seat	175 kg
Max. continuous load on motion element	13 kg



# ARTROMOT®-S4

The ARTROMOT®-S4 shoulder machine is the result of 30 years of experience in the shoulder CPM device business and more than 3 years of dedicated engineering, made in Germany.

**Reinforced arm rest**  
with adjustable width and height

**Backed by three integrated motors, the new model from DJO Global supports the following movements:**

- Anteversion & retroversion
- Adduction & abduction
- Internal & external rotation
- Extension & flexion (elevation) with extended or flexed arm

The combination of these motion axes enables anatomically correct PNF movements as well as the proven "wave" or undulation exercise.

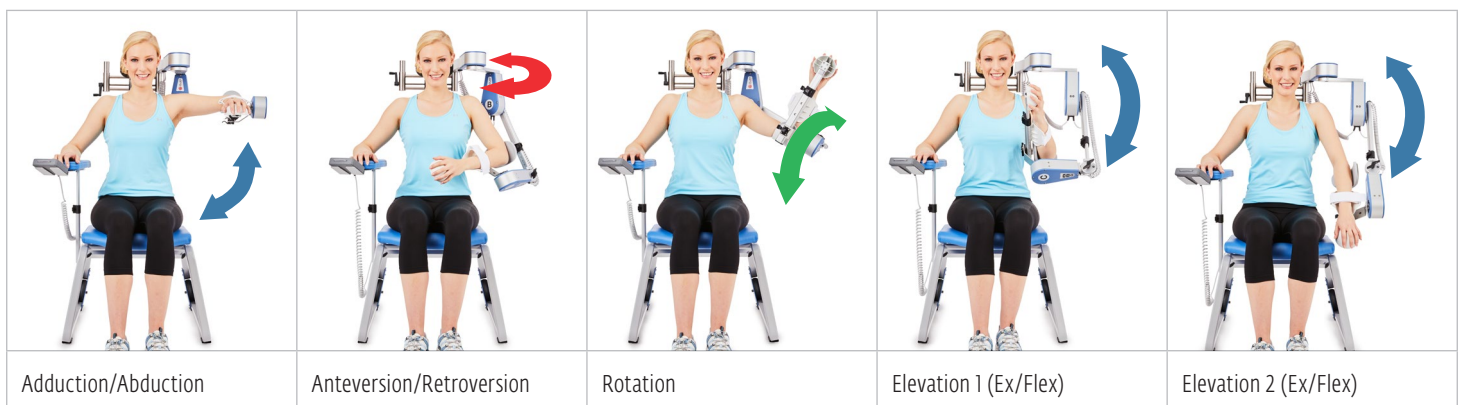
**New functions for easy operation of the ARTROMOT®-S4:**

- Touchscreen hand controller and motor controls for direct programming of motion ranges
- User guidance for easy conversion of the device for treatment of the right or left shoulder
- Adaptive load reversal (reverse-on-load feature for patient safety/spasm protection), conforms automatically and sensitivity can be adjusted

Combined with the tried-and-tested features, such as the patient chip card and the sturdy design, the new ARTROMOT®-S4 has even more therapy options to offer.



## Motion Axes

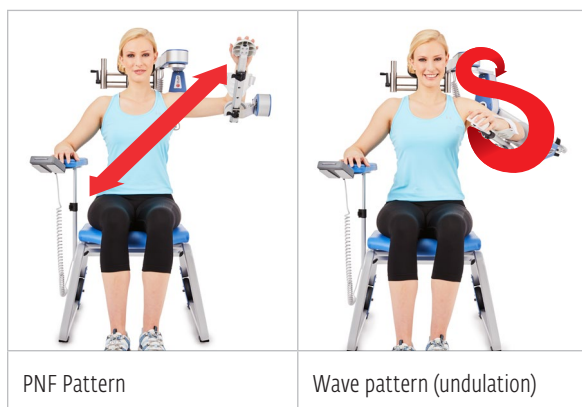




## Technical Information

Functions	
Timer	1-59 minutes, 1-12 hours / continuous operation
Pauses	0-30 seconds
Speed	5-100 %
Adaptive load reversal	5-100 % of the trigger threshold tolerance range (reverse-on-load feature for patient safety/spasm protection)
Motor A, B and C ON/OFF	Isolated movements, exclusively abduction/adduction, anteversion/retroversion, or internal/external rotation
New patient	Restores the default settings for new patients
Warm-up protocol	Gradual progression to the maximum range of motion
Side conversion	For easy, user guided conversion between right and left shoulder setup
Lockout functions	Locks individual functions, prevents accidental adjustment changes of set parameters and facilitates operation
Display mode	Toggles between detailed view and standard view
Total therapy time	Added sum of all therapy sessions
Therapy documentation	Trend graph of the therapy progress
Cycles	5-20, adjustment of the Isolation, Oscillation and Stretching repetitions
Standby	Adjustment of inactive drives in parked position in Isolation mode
Direction of the undulation	Adjustment of the direction of motion in Wave mode (Undulation)
Device setup	Adjustment of the basic settings (e.g., date, time or language)
Transport position	Moves the motors to transport position
Service menu	For service technicians
Patient chip card	For storage of the therapy parameters
Headrest	For comfortable, optimal patient posture
Motor controls	For direct range of motion input

## Combined Motion Patterns



PNF Pattern

Wave pattern (undulation)



## ARTROMOT®-S4

### Ordering Information

Part Number	Product Description
80.00.084C	ARTROMOT®-S4

#### Optional Accessories

0.0050.330	ARTROMOT®-S4 patient chip card
0.0050.330S	ARTROMOT®-S4 patient chip card kit, includes: chip cards (10) and marker pen (1)
0.0031.006	Marker pen for patient chip card
0.0034.118	Power cord

#### Spare Parts

0.0050.100	ARTROMOT®-S4 motor element
0.0050.200	ARTROMOT®-S4 system rack
0.0050.300	ARTROMOT®-S4 hand controller
0.0050.400	ARTROMOT®-S4 seat
0.0050.500	ARTROMOT®-S4 headrest
0.0050.600	ARTROMOT®-S4 motor element with hand controller

