

Knee CPM Machine (Continuous Passive Motion)

Operating Manual

Physiotherapy / Rehabilitation Equipment

Intended use

Moves the knee through a set range of motion continuously and passively, for knee rehabilitation as prescribed by the treating physician or therapist, in hospital, clinic or home settings.

Intended users

For use by trained healthcare professionals, and by patients or caregivers only after instruction by a healthcare professional. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations. Patients and caregivers should use the device only as instructed by their physician or therapist.
- Range of motion, speed, session length and progression must be set according to clinical protocol and the physician's or therapist's judgment. Do not change settings unless instructed.
- Always give the patient the safety switch within reach before starting, and show them how to stop the machine.
- Stop the machine and contact the treating clinician if the patient experiences increased pain, swelling, numbness, bleeding, wound problems or skin irritation.
- Connect only to a grounded outlet with the supply voltage marked on the unit. Do not use an extension cord unless permitted by your facility.
- Keep hands, other limbs, bedding, cords and pets clear of moving parts.
- Unplug before cleaning, adjusting the frame or moving the unit.
- Do not allow liquids to enter the motor housing or control unit.

2. Package contents

- CPM unit
- Patient safety switch
- Operation manual
- Warranty card

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Flexion range	30°-110° (adjustable)
Motor	Continuous-duty gear motor, low-noise
Noise level	Typically 40-50 dB during operation
Thigh length adjustment	One-knob quick adjust (adult range)
Weight	Approx. 9 kg
Patient safety switch	Included, hand-held stop switch
Mounting	Bed-mountable
Power	110V or 220V AC (as ordered)

4. Unpacking and setup

- 1 Unpack the unit and check the frame, pads, cord and safety switch for damage.
- 2 Place the unit on the bed or a firm, flat surface where the patient's leg can lie in a straight line from hip to foot.
- 3 Check that the supply voltage marked on the unit matches your supply, then plug into a grounded outlet.
- 4 Adjust the thigh length with the adjustment knob so the machine's knee hinge lines up with the patient's knee joint.

- 5 Adjust the foot/lower-leg section to fit the patient as instructed by the clinician.
- 6 Connect the patient safety switch.
- 7 Without the patient's leg in place, run the unit briefly to check smooth movement through the set range.

5. Operation

Starting a session

- 1 Set the range of motion and other settings as prescribed by the treating physician or therapist.
- 2 Position the patient lying or reclining comfortably with the leg in line with the machine.
- 3 Place the leg on the pads with the knee aligned to the machine hinge and secure any straps without over-tightening.
- 4 Give the patient the safety switch and confirm they know how to stop the machine.
- 5 Start the machine and watch the first few cycles to check alignment and comfort.
- 6 Run the session for the duration prescribed by the clinician.

Stopping and ending a session

- 1 To stop at any time, press the patient safety switch.
- 2 At the end of the session, stop the machine with the leg in a comfortable position.
- 3 Release the straps and lift the leg out carefully.
- 4 Switch off and unplug the unit if it will not be used again soon.
- 5 Check the skin around the knee and leg for redness or pressure marks and report concerns to the clinician.

6. Cleaning and disinfection

- Unplug before cleaning.
- Wipe the frame and pads with a cloth lightly dampened with mild detergent or a compatible surface disinfectant per facility protocol. Dry thoroughly.
- Do not spray liquid directly onto the unit or immerse any part.
- Clean between patients when used by more than one patient.
- Clean and disinfect per facility protocol; do not autoclave.

7. Maintenance and storage

- Store in a clean, dry place with the cord coiled loosely.
- Check the power cord, safety switch cable and pads regularly for wear or damage; replace worn pads.
- Check that the adjustment knobs lock firmly.
- Refer motor and electrical repairs to qualified service personnel. Do not open the housing.

8. Troubleshooting

Problem	Likely cause	What to do
Machine does not start	No power or safety switch not connected	Check the outlet, power cord and safety switch connection.
Machine stops during a session	Safety switch pressed or power interrupted	Check the safety switch and power; restart only if the patient is comfortable.
Patient reports discomfort at the knee	Knee not aligned with machine hinge	Stop the machine and readjust thigh length and leg position; contact the clinician if discomfort continues.
Unusual noise or jerky movement	Obstruction or mechanical fault	Stop the machine, remove the leg and check for obstructions; contact service if it continues.
Leg slides on the pads	Straps loose or pads out of position	Reposition the pads and secure straps without over-tightening.

9. Disposal

- Clean the unit before disposal.
- Dispose of the unit as electronic waste in accordance with local regulations. Do not discard in household waste.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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