

# 480

LOWER LIMB CPM

## Key Features and Benefits

- *Lightweight and durable*
- *Range of motion from -5° to 110°*
- *Warm Up feature*
- *Pause feature for enhanced treatment results*
- *Easy to use digital motion controller*
- *Patient compliance meter*
- *NMES Compatibility*
- *Convenient carrying handle*
- *Pediatric accessory available*

The 480 Lower Limb CPM device combines lightweight and durable construction with ease of operation.

Weighing only 11 kg (24 lbs.), and equipped with a convenient carrying handle, the 480 is suitable for both hospitals and home use.

Range of motion is adjustable from -5° extension to 110° flexion. And an optional pediatric accessory makes the device suitable for children.

A convenient and easy to use Motion Controller contains several advanced treatment features, including a Warm Up feature which, when selected, starts the patient off at a reduced range of motion and gradually increases the range until the programmed setting is reached. And a Pause feature which enhances treatment, especially when attempting to prevent the formation of contractures and intra-articular adhesions, by holding the limb in sustained flexion or extension for up to 30 seconds.

For safety, the 480 is equipped with a Reverse-on-Load feature to reverse the direction of travel should the patient resist motion, or if motion is obstructed.

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ORTHOREHAB™



# 480

LOWER LIMB CPM



Easily control Speed, Range of Motion, Pause, Warm Up feature and more with the convenient hand-held Motion Controller.



Range of Motion from -5° extension to 110° flexion. Accommodates limb lengths up to 107 cm (42 in.).



An optional pediatric kit accommodates limb lengths between 50 cm (19.5 in.) to 88 cm (34.5 in.).

### Application:

Continuous Passive Motion (CPM) is best applied immediately post-operative and continued, uninterrupted, for up to six weeks as prescribed by the physician.

### Clinical results:

Clinical studies have demonstrated the following benefits of CPM:

- Prevention of intra-articular adhesions and extra-articular contractures;
- Improved patient compliance with passive and active therapies;
- Prevention of joint stiffness and maintenance of range of motion;
- Prevention of the negative effects of immobilization.

### Indications:

Immediate post-operative management after the following where indicated:

- ACL reconstruction;
- Open reduction and rigid internal fixation of intra-articular, diaphyseal and metaphyseal fractures;
- Capsulotomy and arthrolysis for post-traumatic arthritis with restriction of motion;
- Synovectomy for rheumatoid arthritis and hemo-

philic arthropathy;

- Arthrotomy and drainage of acute septic arthritis;
- Surgical release of extra-articular contractures or adhesions (quadricepsplasty);
- Metaphyseal osteotomy with rigid internal fixation of tibia and femur; prosthetic replacement (arthroplasty);
- Reconstruction of medial collateral ligament tears of the knee using a semitendinosus tenodesis;
- Reconstructive surgery on bone, cartilage, tendons and ligaments;
- Prolonged joint immobilization.

### Contraindications:

Do not use the device if any of the following are present:

- Untreated or uncontrolled infection;
- Unstable fractures.
- Hemorrhage

Note: Upon using the device, if signs of infection such as hyperthermia, fever, redness, irritation, warmth, swelling, bleeding, and/or increased persistent pain are present, discontinue operation of the device and contact the patient's physician. Do not proceed with treatment until the physician has approved continued use of the device.

### Ordering information:

**IEC480 (220V) or 00480 (110V):** CPM motion controller complete with patient kit, hand held pendant and instruction manual.

- 400PK:** Disposable softgoods kit
- 12601:** Pediatric modular kit
- 12603:** Pediatric thigh assembly
- 12604:** Pediatric foot assembly

### Specifications:

Weight	approx. 11 kg (24 lbs.)	
Range of Motion:	-5° extension to 110° flexion	
Pause:	0-30 seconds at end of flexion and/or extension	
Power Supply:	Input 120 VAC 0.12A 60 Hz or 230 VAC 0.06A 50 Hz    Output 14 VDC 730 mA	
	<b>Standard configuration</b>	<b>Pediatric configuration</b>
Limb Length:	30.5-42 in. (77-107 cm)	19.5-34.5 in. (50-88 cm)
Calf Length:	16.5-24 in. (43-61 cm)	9.5-18.5 in. (24-47 cm)
Thigh Length:	14-18 in. (36-46 cm)	10-16 in. (25-41 cm)
Certification	UL, CSA, CE (IEC 480 only)	



In the USA call:  
**1.800.RENT.CPM**

(1.800.736.8276 ) to contact your local sales or service representative or visit our web site at:

[www.orthorehab.com](http://www.orthorehab.com)

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