



## CONTINUOUS PASSIVE MOTION THERAPY

KNEEFLEX-Es is advanced and trend setter Continuous Passive Motion therapy (CPM) from HMS R&D. KNEEFLEX-Es is designed indigenously with international standards with incomparable quality. Continuous Passive Motion is a postoperative procedure designed to aid in patient recovery after joint surgery, soft tissue surgical procedure or trauma. The treatment method has been practiced for more than 30 years. This unit is typically used postoperatively for total knee replacement and Anterior Cruciate Ligament (ACL) repairs. Passive range of motion moves the joint gradually and slowly without the use of patient's muscles.

### BENEFITS

#### The Benefits of CPM For Healing Cartilage

- Enhanced nutrition and metabolic activity
- Accelerated healing of articular tissues
- Regeneration of cartilage

#### The benefits of CPM for healing tendons

- Restoration of the tendon's gliding surface
- Greater mean breaking strength of the tendon
- Enhanced intrinsic healing through synovial diffusion
- Prevention of adhesion formation

- Increases joint mobility and range of motion

- Helps decrease complications such as joint stiffness and adhesions

- Reduces the length of post-operative hospitalisation

- Builds patient confidence, well-being and independence

### HMS Medical Systems

#9, 1st Cross Street, New Colony, Porur, Chennai - 600116.

Ph : +91 44 2476 0756, 2476 6576 Telefax : +91 44 2476 3773

Web : [www.hms.co.in](http://www.hms.co.in) email : [sales@hms.co.in](mailto:sales@hms.co.in)

## FEATURES

- Universal left/right design
- Total noiseless smooth operation
- Ultra-wide carriage - 28cm (11") from the center of the carriage
- Sturdy DC motor for smooth operation
- Universal input Internal power supply
- Lightweight at only 14.75 kg
- Convenient 4.5m long power cord
- Easy conversion from adult to pediatric (no adapter pieces needed)
- 1° Accuracy contact less magnetic sensor for angle detection
- Maintenance free stainless steel plated ball screw

## SPECIFICATIONS

- Range of Motion - -10° extension - 120° flexion (1° settings)
- Pauses - 1 - 99 seconds (extension and flexion)
- Speed - 80 sec / 100° (Low)  
60 sec / 100° (Medium)  
35 sec / 100° (High)
- Treatment Time - 5 min - 3Hrs
- Length Range - Calf 40 - 62 cm  
Thigh 28 - 46 cm
- Progressive angle - 0° to 20° (increased automatically during the set treatment time)

## TECHNICAL DATA

- Mains Voltage - 100 - 240V / 50 or 60 Hz
- Safety Class - Class I, Type B (IEC 60601 -1)
- Dimensions - L x B x H – 90 x 29.5 x 25 cms
- Weight - 14.75 Kgs
- Max Patient Weight - 160 kg

Due to constant improvement, HMS reserves the right to make technical modifications without notice.  
All of HMS CPM machines considered to be medical devices