

  
**LegTutor™**

**LegTutor** Rehabilitation Device

**Device user guide** Model: LT100

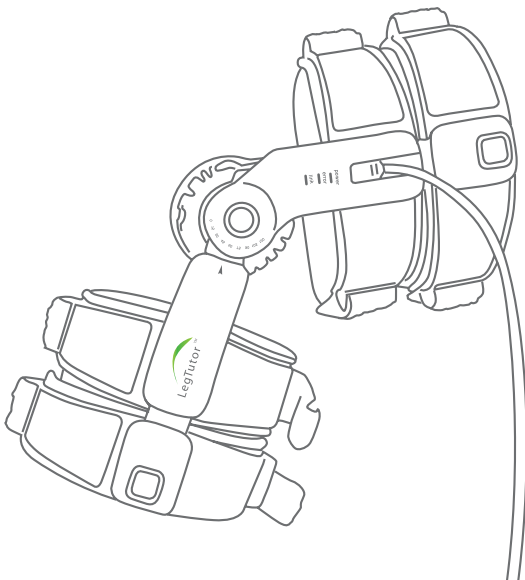




# LegTutor™

## LegTutor Rehabilitation Device

### Device user guide Model: LT100



# Table of Contents

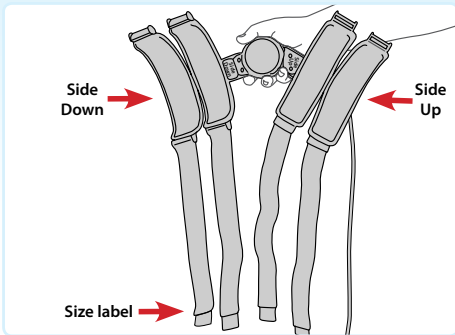
<b>1.</b>	<b>Getting Started</b> .....	<b>4</b>
<b>2.</b>	<b>Warnings</b> .....	<b>5</b>
<b>3.</b>	<b>Maintenance</b> .....	<b>5</b>
<b>4.</b>	<b>Indications</b> .....	<b>5</b>
<b>5.</b>	<b>Contra-Indications</b> .....	<b>5</b>
<b>6.</b>	<b>Side Effects</b> .....	<b>6</b>
<b>7.</b>	<b>Product Specification</b> .....	<b>6</b>
	7.1 Product Labels .....	6
	7.2 Dimensions .....	6
	7.3 Sensor.....	6
	7.4 Functionality.....	6
	7.5 Communication .....	6
	7.6 Power Supply.....	6
	7.7 Environmental conditions .....	7
	7.8 Regulation .....	7
	7.9 Manufacturer .....	7
	7.10 Illustration .....	7
<b>8.</b>	<b>Package</b> .....	<b>8</b>
	8.1 Content .....	8
	8.2 Outside package .....	8
<b>9.</b>	<b>Labeling</b> .....	<b>8</b>
	9.1 On USB cable .....	8
	9.2 On case .....	9
	9.3 On carton .....	9
<b>10.</b>	<b>Warranty</b> .....	<b>10</b>
<b>11.</b>	<b>Contact Us</b> .....	<b>10</b>



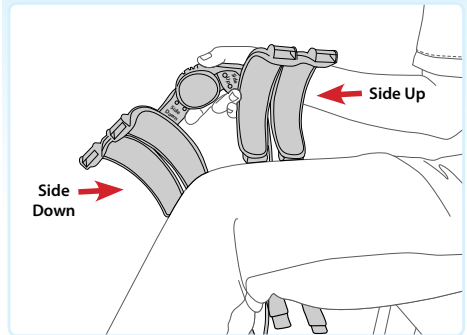
# 1. Getting Started

1. Choose the appropriate side of the LegTutor™ for the subject.
2. Connect the USB cable from the LegTutor™ to the computer USB port.
3. Click on the MediTutor™ icon in order to enter the software.
4. Use the username **admin** and password **admin**.
5. Make sure that the device display icon appears in yellow.
6. Flex and extend the LegTutor™ so the device display icon turns to green.
7. Device Fitting:

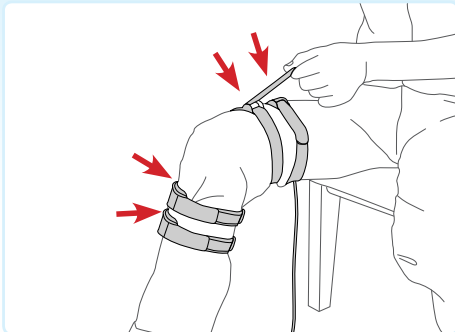
**Step 1** - Undo straps from upper strap holder



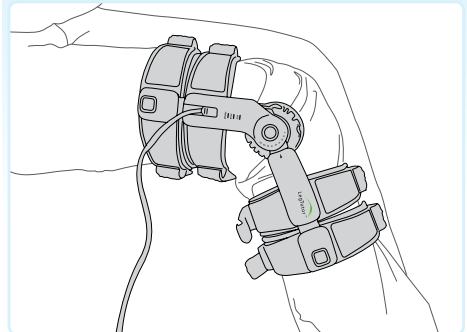
**Step 2** - Place device on lateral side of leg so that middle of hinge aligned to middle of knee.



**Step 3** - Close straps around thigh and calf



**Step 4** - Verify full extension of knee equates to zero degree on dial



8. The device is ready for evaluation/treatment use.
9. For detailed treatment instructions consult trained therapist or your vendor.

## 2. Warnings

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1. The LegTutor™ is not water resistant device.
2. The LegTutor™ should be stored within the temperature range -30°C to +70°C.
3. It is advised to store the LegTutor™ in its original packaging when not in use.
4. The USB cable should be folded in a circular fashion to ensure that the cable is not damaged.
5. The device contains a compass that measures the earth's magnetic field. Do not use the device within direct proximity to metals e.g. Iron, that interfere with the measurement of the earth's magnetic field.

## 3. Maintenance

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1. Replace once a month straps and pads in case of frequent usage of the device.
2. In case of plastic break, use instructions and items supplied by the manufacturer only.

## 4. Indications

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The LegTutor™ solution is intended for use during rehabilitation of the knee/hip in the following indications and in accordance with the Doctors instructions.

1. Damage to the CNS and or PNS caused by Stroke, Parkinson's disease, MS, head injuries, cerebral palsy, nerve injuries and neuromuscular disuse atrophy.
2. Orthopedic rehabilitation including fracture of the bones of the leg and hip, neuromuscular disuse atrophy.
3. Movement disorders characterized by impairment in accuracy and speed of motor movements.
4. Balance disturbances.

## 5. Contra-Indications

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Do not use the LegTutor™ without consulting a doctor in the following scenarios:

1. Open wounds in the treatment area.
2. General Systemic Infection e.g. MRSA.
3. Local infection of skin of the leg.
4. Inflammatory or Allergic reaction to the LegTutor™ textile (very rare).
5. It is recommended to wash the body part and wipe down the straps with a sterile wipe before putting on the LegTutor™.



## 6. Side Effects

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Use of the LegTutor™ system does not lead to any unwanted side effects. In the very unlikely event of skin irritations stop treatment and consult with your doctor.

## 7. Product Specification

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### 7.1 Product Labels

- Product name: LegTutor™
- Model: LT100

### 7.2 Dimensions

- Size (length/width/height): 350[mm] x 140[mm] x 60[mm]
- Weight: 410[gr]

### 7.3 Sensor

- Hip measurements: Abd/Add, Ext/Flex, Int/Ext rotation - Full range [degree]
- Knee measurement: Ext/Flex 0-120[degree]

### 7.4 Functionality

- Size: All sizes adjusted by two telescopic supports
- Side: Left and Right
- Dynamic range limiter: Ext and/or Flex of knee
- Body attachment method: Velcro straps
- Infection control: Disposable sponge pads

### 7.5 Communication

- Communication: USB1.1
- Driver: Windows embedded HID driver

### 7.6 Power Supply

- Voltage: 5[V] DC
- Rated current input: 100[mA]

## 7.7 Environmental conditions

- Usage temperature: +15°C to +30°C
- Storage temperature: -30°C to +70°C
- Relative humidity: 10% – 95%
- Atmospheric pressure: 500[hPa] – 1060[hPa]

## 7.8 Regulation

- The LegTutor™ has been tested according to standard IEC 60601-1 (1988) Second Edition + Am.1 + Am.2 and IEC 60601-1-2 (2001)
- CE and FDA approved

## 7.9 Manufacturer

- Company name: MediTouch Ltd.
- Address: 45 Hamelacha, Poleg industrial zone, Netanya, Israel.

## 7.10 Illustration

**Outer side view**



**Inner side view**



**Isometric view**



## 8. Package

### 8.1 Content

- Aluminum case
- LegTutor™ – Left or Right
- MiniUSB 2m
- 3 pairs of body attached straps
- 2 silica bags



### 8.2 Outside package

- L/W/H: 42 [cm]x29[cm]x17.5[cm]
- Weight: 2.5[kg]



## 9. Labeling

### 9.1 On USB cable

- Device S/N



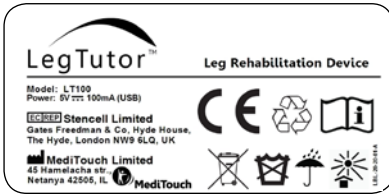
- Device P/N and regulation (Available products: LegTutor™ right or left side)





## 9.2 On case

- Regulation label



- Side label (Available products: LegTutor™ left or right side)



## 9.3 On carton

- Device S/N



- Device orientation (Available products: LegTutor™ light or left side)



## 10. Warranty

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1. The device is subject to 12 month warranty on: electronic components, manufacturing defects, any manufacturing and packaging damage.
2. The warranty does not extend to: Fabric, plastic, USB cable damage caused by miss or over use.

## 11. Contact Us

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For Technical and clinical support call to your vendor or contact MediTouch office;



(972) 9 8637477



[www.meditouch.co.il](http://www.meditouch.co.il)



(972) 9 8852935



[info@meditouch.co.il](mailto:info@meditouch.co.il)



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