HandTutor™

HandTutor Rehabilitation Device

Device user guide Model: HT100

MediTouch

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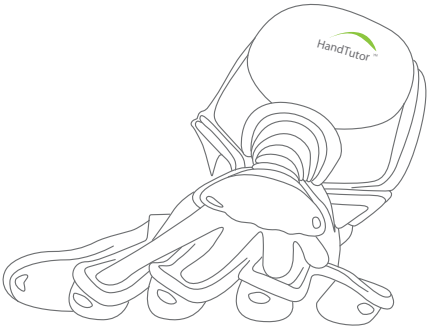

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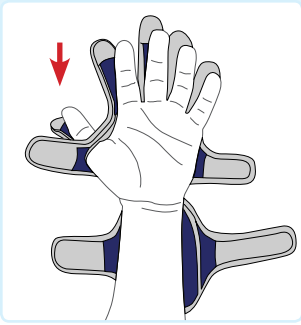
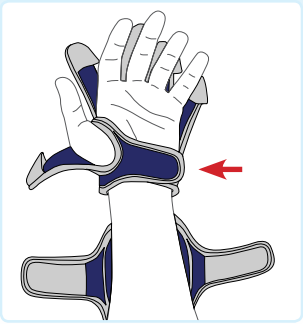
1. Getting Started

1. Choose the appropriate size and side of the HandTutor™ for the subject.
2. Connect the USB cable from the HandTutor™ 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. Stretch HandTutor™ fingers and wrist so the device display icon turns to green.
7. Device Fitting:

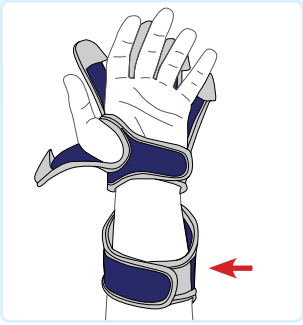
Step 1
Place thumb through ring



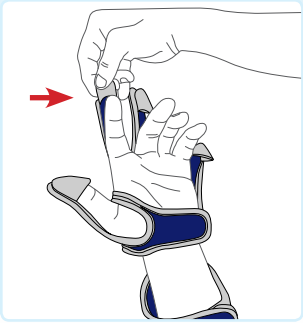
Step 2
Close strap around wrist



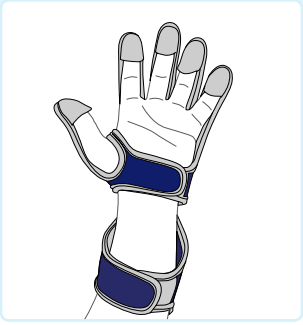
Step 3
Close strap around forearm

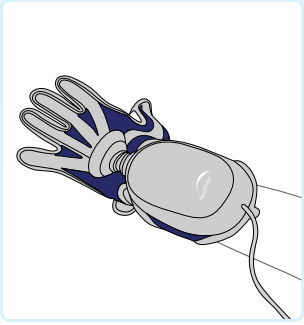


Step 4
Place glove fingers



Step 5
Confirm that the device aligned to fingers and forearm





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

2. Warnings

1. The HandTutor™ is not water resistant device.
2. The HandTutor™ should be stored within the temperature range -30^{0}C to +70^{0}C.
3. It is advised to store the HandTutor™ 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.

3. Maintenance

1. Use standard wet wipe and clean all internal neoprene surface before use.
2. In case of neoprene/glove replacement, send the HandTutor™ to your local distributor.
3. In case of plastic break, use instructions and items supplied by the manufacturer only.

4. Indications

The HandTutor™ solution is intended for use during rehabilitation of the hand 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, brachial plexus injuries, forearm and hand nerve injuries and neuromuscular disuse atrophy.
2. Orthopedic rehabilitation including fracture of the bones of the hand and the forearm, tendon transfer and neuromuscular disuse atrophy.
3. Movement disorders characterized by impairment in accuracy and speed of fine motor movements.

5. Contra-Indications

Do not use the HandTutor™ 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 in the Hand Region.
4. Inflammatory or Allergic reaction to the HandTutor™ textile (very rare).
5. It is recommended to wash the body part and wipe down the internal textile side of the device with a sterile wipe before putting on the HandTutor™.

6. Side Effects

Use of the HandTutor™ 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

7.1 Product Labels

- Product name: HandTutor™
- Model: HT100

7.2 Dimensions

- Size (length/width/height): 350[mm] x 120[mm] x 70[mm]
- Weight: 350[gr]

7.3 Sensor

- Technology: Ergonomic glove with sensitive electro optical position, speed wrist and finger movement sensors.
- Sensitivity: 0.05[mm] of wrist and fingers Ext./Flex
- Motion capture speed: up to 1[m/sec]

7.4 Functionality

- Size: 5 sizes 98% coverage of population
- Side: Left and Right
- Materials: Glove made from Neoprene and Spandex fabric on dorsal side of glove. Palm side of glove is not covered.
- Attachments: Velcro straps
- Infection control: Disposable liner

7.5 Communication

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

7.6 Power Supply

- Voltage: 5[V] DC
- Rated current input: 300[mA]

7.7 Environmental conditions

- Usage temperature: +15^{0}C to +30^{0}C
- Storage temperature: -30^{0}C to +70^{0}C
- Relative humidity: 10% – 95%
- Atmospheric pressure: 500[hPa] – 1060[hPa]

7.8 Regulation

- The HandTutor™ has been tested according to standard IEC 60601-1 (1988) Second Edition + Am.1 + Am.2 and IEC 60601-1-2 (2001)
- Medical device according directive 93/42/EEC European Union
- CE and FDA approved

7.9 Manufacturer

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

7.10 Illustration

Upper view

Side view

Inner view

8. Package

8.1 Content

- Aluminum case
- HandTutor™ – Left or Right 1-5 sizes
- Nylon coverage to device
- 2 silica bags

8.2 Outside package

- L/W/H: 43 [cm]x22.5[cm]x12.5[cm]
- Weight: 1.8[kg]

9. Labeling

9.1 On USB cable

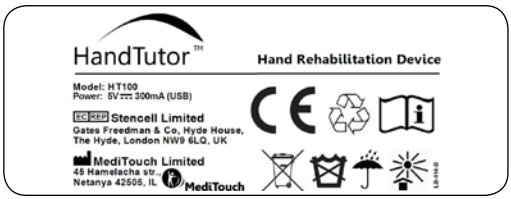
- Device S/N

9.2 On USB plug

- Device P/N and regulation

9.3 On case

- Regulation label



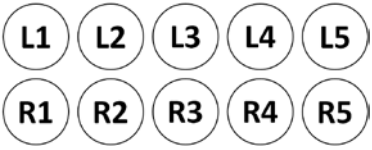
- Side/Size label (Available products: HandTutor™ left or right side, sizes 1-5)

LEFT HAND - 1	RIGHT HAND - 1
LEFT HAND - 2	RIGHT HAND - 2
LEFT HAND - 3	RIGHT HAND - 3
LEFT HAND - 4	RIGHT HAND - 4
LEFT HAND - 5	RIGHT HAND - 5

9.4 On carton

- Device S/N

- Device type (Available products: HandTutor™ left or right side, sizes 1-5)



10. Warranty

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

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

(972) 9 8637477

(972) 9 8852935

www.meditouch.co.il

info@meditouch.co.il

support.meditouch

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