

Technical Specification

System

- finger/hand and arm function evaluation and training system
- sensor system for force (hand and fingers) and ROM (arm movement) assessment
- software containing assessment toolbox and interactive therapy modules

Features

- Hand Force Sensor (Flexion and Extension)
- Finger Force Sensor (Pincer grip and lateral grip)
- Arm range of motion sensor (pro-/ supination, shoulder, elbow and wrist)
- Evaluation and Comparison of both (left and right) upper extremities
- Interactive Motion Training with audiovisual feedback
- Connected to your USB port
- Available with 15.6" Touchscreen PC - software preinstalled

Ranges

- Hand Force Sensor: 1000N (~100kg)
- Finger Force Sensor: 100N (~10kg)
- Wrist Joint: Flexion/Extension (90°-0-90°); Adduction/Abduction (90°-0-90°)
- Elbow Joint: Pro-/Supination (90°-0-90°); Flexion/Extension (0-180°)
- Shoulder Joint: Flexion (0-180°); Abduction (0-180°)

Software features

- Assessment toolbox
 - Force assessment for hand in flexion and extension
 - Isometric force assessment for each individual finger
 - ROM for wrist, elbow and shoulder joint
- Interactive therapy module with augmented feedback
 - miscellaneous therapy modules for training of more advanced motor ability
 - autonomous task oriented training with motivational aspect
 - cognitive and coordinative tasks with audiovisual feedback
- Database incl. detailed therapy history and assessment data of each patient
- Report generator for documentation of assessment & therapy data

PC system requirements

- 1 GHz 32-bit processor or 1 GHz 64-bit processor
- 1 GB of system memory
- Windows Aero-capable graphics card
- 128MB of graphics memory
- 40GB hard disk
- Audio output capability

System contents

- 1 Pablo sensor grip with cable and USB connector
- 2 pairs of hand straps
- 1 instruction manual
- 1 carrying case
- 1 Touchscreen-PC (optional)

Dimensions & weight of Pablo incl. case

- 30x20x10cm (WxLxH)
- Maximum weight: 0,5 kg

Registration

- European Union: Medical Device Class I according 93/42/EWG – CE certificated

