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## sensbalance *Therapy Chair*

*with Measure, Exercise and Game Software*



A new, interactive piece of bio-feedback training equipment with meaningful exercise software, easy-to-understand measuring software and exciting game software. The Sensbalance Therapy Chair is designed for safe training of core stability, mobility and coordination in the lower back and pelvic area in sitting position. For Therapy, Prevention and Fitness.

**Sensamove** is a young, dynamic and innovative company that develops and produces interactive exercise equipment. Sensamove wants to encourage exercising by giving useful visual bio-feedback, making therapy more fun, and its results readily measurable.

## Sensbalance Therapy Chair

The Sensbalance Therapy Chair is a chair with a tilting saddle shaped seat with an integrated electronic sensor circuitry board, which connects to your own laptop or computer either via a USB cable or an optional Wireless connection. Arm and back support ensures safety and can be adjusted. On the computer direct visual feedback is provided about the tilting of the seat and the exercises performed by pelvis and lower back. In this way users can easily correct and improve their exercising on the spot and see the results immediately on the screen. Exercising becomes much more effective and entertaining. Games will help to challenge the user even more.

The Sensbalance Therapy Chair is available in two types:

- The **Sensbalance Therapy Chair Basic** has a rubber tilting mechanism and is used when a combination of global and deeper intrinsic muscles need to be trained. Because of the resistance of the rubber tilting mechanism more force is needed to tilt and global muscles are relatively addressed more.
- The **Sensbalance Therapy Chair Pro** has a very flexible tilting mechanism and is used for controlling balance posture while performing small corrective movements. At moderate contraction of the global muscles, the deeper intrinsic muscles are addressed for the small corrective movements.

## Application

Both Chairs are designed for low back and pelvis tilting exercises. Due to the saddle seat, the arm supports and the back support a safe piece of training equipment is offered to elderly without having to fear for losing balance or even falling. The saddle seat ensures a reproducible starting position and comparable measurements acquired at later exercise sessions.

## Sensbalance Measuring & Exercising Software

Sensors register the tilts of the Therapy Chair. The Sensbalance Measuring & Exercise Software shows these results on a screen either during or right after the exercising lower back or pelvis. As a result of the visual feedback the exercises become more comprehensible and balance and core stability can be exercised interactively and thus more efficiently.

## Sensbalance Game Software

The Sensbalance Game Software adds a game element to the exercises. Suddenly, exercising becomes exciting. It adds a complete new dimension to the often tedious fitness or therapy exercises. Exciting game levels challenge and encourage users to improve their core stability and coordination. The pleasure of the game and the satisfaction of achieving subsequent levels have a positive influence on the frequency, persistence and effect of the exercises, either individually or in a group!



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