

SIGMA - Balance platform



Product short description:

SIGMA is an advanced balance and proprioception training platform equipped with an independent swing angle assessment system and real-time wireless data transmission for neurological, orthopedic, and sports rehabilitation.

Product gallery:



Product description:

SIGMA

Balance platform

SIGMA is a device for training balance and proprioception. The platform is equipped with an independent system for assessment of the swing angle using a specialized sensor that detects any change in the position of the platform. It processes these changes to the appropriate output signal and transmits data wirelessly in real time to a computer with the software.

Due to these properties, the SIGMA platform is particularly useful in post-traumatic, post-surgical, orthopedic, and neurological rehabilitation. SIGMA is also widely used in sports, rheumatological, and geriatric rehabilitation.

As part of the **ACX.rehab** concept, SIGMA uses specialized software so that the patient is fully aware of challenges and progress during rehabilitation, significantly boosting intrinsic motivation.

Features

- ? Classic proprioceptive training
- ? Training in one or two planes
- ? Exercises in standing or sitting position
- ? Unilateral and bilateral exercises of the lower limb
- ? Exercises of the upper limbs
- ? Exercises with integrated real-time biofeedback
- ? Objectification of the rehabilitation process
- ? Ability to adapt the difficulty level to the patient's current needs

Benefits

- ? **Improved sense of balance:** targeted stimulation of vestibular and visual systems
- ? **Improved trunk stability:** activation of core stabilizer muscles
- ? **Joint stabilization:** proprioceptive reeducation following injuries and surgeries
- ? **Improved muscle coordination:** smoother and more controlled movement patterns

Technical Data

Diameter:	42 cm
Weight:	6.5 kg
Range of forward – backward tilting:	+15° / -15°
Range of left – right tilting:	+15° / -15°
Power supply:	AAA type batteries / rechargeable cells LR03 1.5 V
Data transmission:	Wireless (real-time)

Product codes:

Reference: PROD-SIGMA

EAN13: -

UPC: -

Product features:

Weight [kg]: 6.5

Medical device: Yes

Power supply: AAA batteries / LR03 1.5 V

Biofeedback: Yes

Concept compatibility: ACX.rehab

Type of therapy: Balance and proprioception training

Diameter: 42 cm

Range of forward - backward tilting: +15° / -15°

Range of left - right tilting: +15° / -15°

Wireless transmission: Yes

Product attributes:

Configuration: Basic (Single Station), Premium (Therapist Workstation)