Meden-Inmed Sp. z.o.o, Wenedów 2, 75-847 Koszalin | shop@meden.com.pl | phone: +48 94 344 90 54



EzyGain VR Kit – virtual reality rehabilitation system

Product short description:

The **EzyGain VR Kit** is a simple and affordable virtual reality module for effective and motivating rehabilitation.

Key features:

- **Complete VR set** - high-quality VR goggles with two precise controllers for intuitive control during therapy sessions.
- **Comprehensive rehabilitation** - the device offers immersive environments for cognitive exercises, gait training, balance training, upper limb training, and fine motor skills training.
- **Dual-mode therapy** - combines immersive VR exercises with non-immersive tablet applications, offering a full spectrum of rehabilitation possibilities.
- **Compatibility with the EzyGain ecosystem** - integration with ema® and amy® training treadmills and the advanced EzySense bike sensor for immersive 360° rehabilitation experiences.

Product gallery:











Product description:

EzyGain VR Kit – virtual reality rehabilitation system

The EzyGain VR Kit is a simple and affordable virtual reality system for effective and motivating rehabilitation. The kit consists of VR goggles and two controllers. The device offers immersive environments for cognitive exercises, gait training, balance training, upper limb training, and fine motor skills training.

Additionally, it includes non-immersive virtual reality exercises on a tablet, such as interactive games that improve hand-eye coordination, memory puzzles that improve cognitive functions, and guided movements that support the recovery of fine motor skills. The kit also includes a motion sensor that allows it to be connected to traditional rehabilitation equipment, such as an ergocycle or treadmill (with safety features), providing a more integrated and comprehensive therapeutic experience.

The EzyGain VR Kit can be used in:

Gait/Balance Rehabilitation

walking in real landscapes filmed in 360°,

optokinetics,

unilateral exercises.

Psychological exercises:

relaxation,

contemplation,

immersive environments.

Upper limb training

functional exercises,

various environments,

analysis.

Cognitive exercises:

visual and auditory neglect,

memory, thinking,

decision making.

Therapeutic areas of the EzyGain VR Kit

Pedal and explore

Immersive and safe walking

Upper limb exercises

Entertainment and relaxation (also in groups)

Innovative technologies in VR and AR rehabilitation

Virtual reality (VR) and augmented reality (AR) are groundbreaking tools in rehabilitation. These technologies provide immersive and stimulating therapeutic environments for patients, enabling them to safely recreate everyday activities and supporting both motor and cognitive recovery.

Therapeutic benefits

VR and AR significantly increase patient engagement through interactive and gamified exercises. They enable precise monitoring of therapeutic progress and adjustment of exercise intensity to the individual needs of each patient. In addition, these technologies help reduce pain and anxiety by distracting the patient during rehabilitation sessions.

The EzyGain VR/AR system combines the best features of both technologies, offering a comprehensive solution

for modern rehabilitation.

Key advantages of the EzyGain VR/AR system

The EzyGain VR/AR kit stands out on the market with four key advantages:

No WiFi connection required – say goodbye to connectivity issues and long installation times. The system operates autonomously, ensuring reliability during therapy sessions.

Seamless integration with a wide range of rehabilitation equipment – the kit can be connected to rotors, treadmills, and upper and lower limb rehabilitation devices. This allows you to make the most of the existing equipment in your rehabilitation center.

Diverse digital support - although VR goggles are a central element, they are not the only tool! “Facing Camera*” exercises on a tablet and pedaling-based activities further expand the range of engaging exercises available to patients.

* Facing Camera is an innovative feature of the EzyGain system that uses the tablet's camera to track the patient's body movements in real time.

Inclusion of augmented reality exercises - allows the patient to maintain eye contact with the outside world and use the real environment while performing exercises.

The difference between augmented reality and virtual reality

AR (augmented reality) overlays digital elements onto the real world, while VR (virtual reality) immerses users in a completely virtual environment.

EzyGain integrates both AR and VR technologies to enrich rehabilitation by superimposing digital cues onto the real world and creating immersive therapeutic environments, allowing users to choose between AR or full VR when an exercise supports both options.

Set contents:

Next-generation virtual reality goggles with two controllers (currently Pico 4 Ultra),

Latest-generation large-format iPad tablet (currently iPad Air 13-inch),

EzySense motion sensor (by EzyGain),

Tripod,,

Chargers and user manual..

EzySense sensor

Exercises with the EzySense sensor

Exercises requiring only the EzySense sensor and tablet. To get started, simply attach the sensor to the user's ankle in “Walk” mode or to the crank of any stationary bike, pedal trainer, or ergocycle in “Cycling” mode. This

simple setup instantly digitizes the user experience.

EzySense provides a variety of landscapes, cognitive games, and detailed performance tracking, making rehabilitation sessions more engaging and interactive.

Discover over 30 diverse landscapes

The system offers a wide selection of landscapes from around the world, including:

- mountain trails with picturesque views,
- city panoramas with iconic landmarks,
- exotic beaches and tropical coastlines,
- African savannas with wild animals,
- modern metropolises with skyscrapers,
- historic sites and architectural monuments.

The landscapes are regularly updated to keep the experience fresh for users. In addition, it is possible to add your own landscapes - just record a beautiful walk with your phone and upload it to the app.

Therapeutic benefits

Exercises with the EzySense sensor combine physical activity with an immersive visual experience, which significantly increases patients' motivation to perform rehabilitation exercises regularly. The system allows for precise monitoring of progress and adjustment of training intensity to the individual needs of each patient.

Coordination of lower and upper limbs + head

Move forward faster or slower depending on your pedaling/walking pace, collect coins, and avoid traps by leaning to the sides—either by tilting your head or raising the appropriate arm. A comprehensive exercise that engages the patient in performing multiple tasks simultaneously and involves the whole body.

Infinity Road

Therapeutic goal

Infinity Road is an innovative exercise combining physical activity with coordination and cognitive function training. The patient must simultaneously:

- control the pace of movement by pedaling or walking,
- collect rewards in the form of coins placed along the route,
- avoid obstacles through precise movements of the head or upper limbs,
- make quick decisions about the direction of movement.

Lower limb coordination

Pong - a classic Pong game with a modern twist! Control the paddle by changing your pedaling speed - pedaling faster moves the paddle up, pedaling slower moves it down. The goal is to bounce the ball and score points against a virtual opponent.

Yoro - an adventure in an exotic landscape! Control a green bird by changing your pedaling speed, avoiding obstacles in the form of bamboo sticks. The game combines arcade elements with cardio-respiratory training in a

picturesque tropical setting.

Pong i Yoro

Innovative control modes

EzySense video games offer two different control modes in pedal mode:

- Speed-based control - Adjust your pedaling pace to interact with the game.
- Direction-based control - Change the direction of your pedaling to influence gameplay.

Therapeutic benefits

The exercises provide fun and engaging interval training while strengthening coordination and decision-making speed. The exercises increase patient engagement and motivation by transforming a typically monotonous task into an interactive experience.

Immersive landscapes and 3D exercises

Advanced research and development by EzyGain for rehabilitation

EzyGain continuously invests in intensive research and development to create a wide range of virtual 3D environments and video-based experiences, specially designed in collaboration with doctors and rehabilitation specialists to accelerate patient recovery.

Experience immersive 360° landscapes

Enjoy a selection of stunning and diverse environments, carefully filmed and selected for their unique characteristics and the immersive scenarios they create for patients—such as crowds, open spaces on the left or right, and much more.

Patients naturally engage in cervical and ocular movement exercises without even realizing it, transforming therapy into a stimulating 360° virtual journey!

Immersive 360° landscapes offer:

- natural stimulation of head and eye movements while exploring the environment,
- reduction of stress and anxiety by transporting the patient to peaceful, beautiful places,
- improved concentration and engagement in therapy,
- enriched cultural experiences through virtual travel,
- relaxation therapy in a controlled, safe environment.

These environments are particularly effective in neurological rehabilitation, where patients can safely practice head and neck movements in an immersive, motivating environment.

Product codes:

Reference: -

EAN13: -
UPC: -

Product features:

Product attributes: