Galileo®
Therapy

THERAPY.

GET FIT. STAY FIT.

PREMIUM QUALITY
MADE IN GERMANY

Galileo® Therapy systems

→ Whole-body mechano stimulation therapy.

→ Cutting-edge technology and high quality Made in Germany.



EN

GALILEO®

FUNCTIONS & OPTIONS LIST

Please note the icons for corresponding functions, options or devices.

GALILEO® MEDICAL APPROVAL
CE0123-certificate (medical device) acc. to regulation 93/42/EWC

GALILEO® SILENT
Low noise operation

GALILEO® WOBBEL
Training with randomly changing frequencies

GALILEO® SMART COACHING
Training control

GALILEO® SMART SENSE
Integrated measurement function

GALILEO® CHIP
Access control, time accounts and software for training plans (TPM)

GALILEO® RFID
Access control, time accounts and software for training plans (TPM)

Dumbbells:
GALILEO® MANO 20/20 L
GALILEO® MANO 30
Especially for arm/shoulder/hand

GALILEO® PERSONAL TRAINER
Visualization of the training incl. TPM

GALILEO® COLOR
Color variants on request (black, ruby red, signal blue etc.)

GALILEO® THERAPY PLAN MANAGER/TPM
Software for training plans

GALILEO® REMOTE CONTROL
Buttons for start/stop, frequency; Control for wobble

= integrated

= optional

integrated optional

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Galileo® Therapy

NOVOTEC MEDICAL GMBH

ORIGIN AND DEVELOPMENT OF GALILEO®

ORIGIN AND BASICS.

Novotec Medical GmbH, founded in 2001 and based in Pforzheim, Germany, is a TÜV-certified manufacturer of Galileo Training and Galileo Therapy equipment and Leonardo movement analysis systems (mechanography).

The basis for the development of Galileo originates from the research results of the sister company Stratec Medizintechnik GmbH, which was founded in 1979 and develops, produces and distributes systems for peripheral quantitative computed tomography (pQCT) for the analysis of muscle and bone.

WORLDWIDE DISTRIBUTION.

Novotec Medical GmbH distributes its Galileo products worldwide in more than 25 countries directly and through its distributors. Please visit the website www.galileo-therapy.com to find your local contact person.

PRODUCTION SITE GERMANY.

Novotec Medical GmbH is committed to social and economic responsibility. The development and production of all devices is carried out in Germany. The assembly and final inspection takes place in Pforzheim.

AT A GLANCE – WHY GALILEO®?

- → Cutting-edge technology and high quality Made in Germany
- → On the market since 1996, since 2004 with medical devices
- → System comprehensively documented by more than 450 publications, scientifically based application basics*
- → Service guarantee for 10 years
- → Special device series adapted to different areas of application, e.g. training, therapy, prevention, private use

*) See page 55 for references.

NOVOTEC MEDICAL
Get fit. Stay fit.

Novotec Medical GmbH
Durlacher Str. 35
75172 Pforzheim





GALILEO®

WORLDWIDE





PREMIUM QUALITY

MADE IN GERMANY

GALILEO® DEVICES

A DECISION FOR HEALTH

BUILDING BLOCKS IN A HOLISTIC DIAGNOSTICS AND THERAPY CONCEPT.

The portfolio of imaging techniques (pQCT bone density & geometry), motion analysis (Leonardo mechanography) and Galileo Therapy is combined to a holistic concept around the topic of muscle and bone and ranges from assessment and diagnosis to therapy.

TOP TECHNOLOGY WITH PASSION.

The group of companies comprising Novotec Medical GmbH and Stratec Medizintechnik GmbH offers solutions in the field of neuromuscular therapy and diagnostics. The technology is used in both pre-clinical and clinical applications. As an independent family business, Novotec Medical GmbH thinks and acts long-term. The willingness to develop a highly qualified team and a high level of personal commitment enable Novotec Medical GmbH to continuously innovate.

INTERNATIONAL COOPERATION IN RESEARCH PROJECTS.

For more than 25 years, there has been close company cooperation with international research institutes. The knowledge gained from these findings is continuously incorporated into product development.

Novotec Medical has cooperated with the ESA (European Space Agency) in several projects, e.g. for the evaluation of effective training methods to prevent muscle and bone loss during space missions, and cooperates worldwide with other renowned research institutions such as the Charité Berlin, the University Hospital Cologne and other universities (e.g. ETH Zurich). The activities are focused on maintaining a high scientific standard and the continual expansion of the indication list for Galileo side-alternating vibration therapy.

WHAT DOES GALILEO® OFFER?

- → Cutting-edge technology and high quality Made in Germany
- → On the market since 1996, since 2004 with medical devices
- → Low maintenance costs
- → Continuously adjustable intensity
- → Guided, harmonic movement and application of force which is independent of weight
- → Service guarantee for 10 years
- → Special device series adapted to different application areas



Galileo Med 35



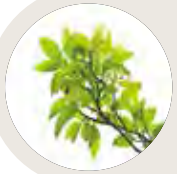
XCT 3000



Leonardo GRFP with bench

PREMIUM QUALITY

MADE IN GERMANY



ENVIRONMENTAL SUSTAINABILITY

→ For a positive ecological balance



EXCELLENT RELIABILITY

→ Special cable sets
→ High quality connectors, with screw lock



HIGH QUALITY 3-PHASE MOTOR

→ Maintenance-free
→ High efficiency
→ Low energy consumption
→ Compact design



TESTED SAFETY

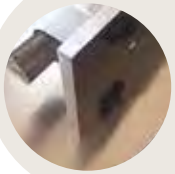
→ TÜV and CE certified for Med devices according to IEC 60601





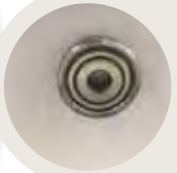
EASE OF USE

→ Simple operation
→ Large buttons
→ Graphic display



HIGH PERFORMANCE THROUGH HIGH-TECH MECHANICS

→ With comparable low device weight
→ Low housing height / low step height (Low risk of falling)
→ Stable device stand suitable for high frequencies



STABILITY AND DURABILITY

→ Robust frame design in metal with stainless steel screws, Maintenance-free ball bearings



10-YEAR GUARANTEE

→ Electronics developed in-house
→ Focus on stability and continuous operation

GALILEO®

HEALTHY MUSCLES AND BONES WITH GALILEO®

In addition to the effective prevention of common diseases such as weakness of the pelvic floor muscles, back pain, osteoporosis or joint wear, Galileo offers selective neuromuscular therapy and specific help with therapy and rehabilitation, both for orthopaedic and neurological illnesses. Simple therapy units on Galileo can enable patients to reach the therapy goal more quickly and often with less pain. The success of the therapy can be maintained or even partly increased by unaccompanied, long-term use of Galileo. Galileo has undergone extensive scientific research. Over 300 peer-reviewed research publications* show the effectiveness of the system.

WHAT HAPPENS DURING TRAINING WITH GALILEO®?

The principle of Galileo is based on the natural movement of the human gait. Due to its **side-alternating form of movement**, it works like a seesaw with a variable amplitude (depending on the foot position) and frequency, whereby a movement pattern similar to the human gait can be stimulated. The rapid seesaw movement of the therapy platform causes a tilting movement of the pelvis similar to walking, but much more frequently. As a counterbalance, the body needs to react with rhythmic muscle contractions alternating between the left and right side of the body. At a frequency of approx. 10 hertz or more these muscle contractions are not voluntary, but are mainly triggered by the stretch reflex. In comparison to voluntary controlled movements, it is easier to coordinate the stretch reflexes and they are subjectively associated with less effort. Galileo Therapy can activate the muscles from the legs up to the trunk, considerably increase blood circulation, especially in the legs, and stimulate the metabolism.

AMPLITUDE AND FREQUENCY.

The amplitude, i.e. the deflection of the therapy platform from the middle position upwards and downwards in millimetres, is selected via the foot position. As the foot position becomes wider, use of the Galileo becomes more demanding. The vibrations can be directed to different parts of the body through body posture and stiffness.

The frequency in Hertz (oscillations per second) is set on the device and is always selected according to the therapy goal. For example, low frequencies are used for mobilisation, medium frequencies for muscle function training and high frequencies to increase muscle performance, and also for spasticity management.

*) See page 55 for list of literature.

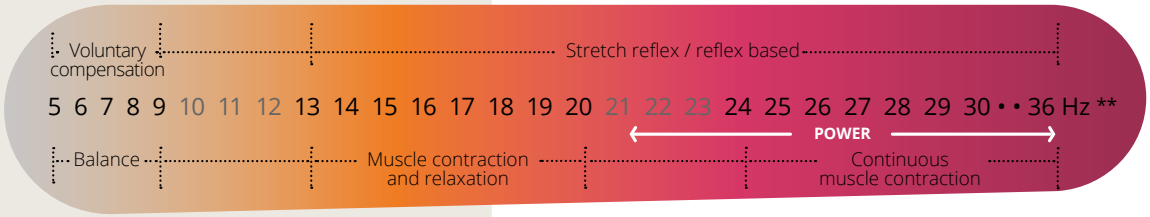


Side-alternating motion

The Galileo Therapy can activate the muscles from the legs up to the trunk.



Selective activation of the muscles in the shoulder and neck area is also possible.



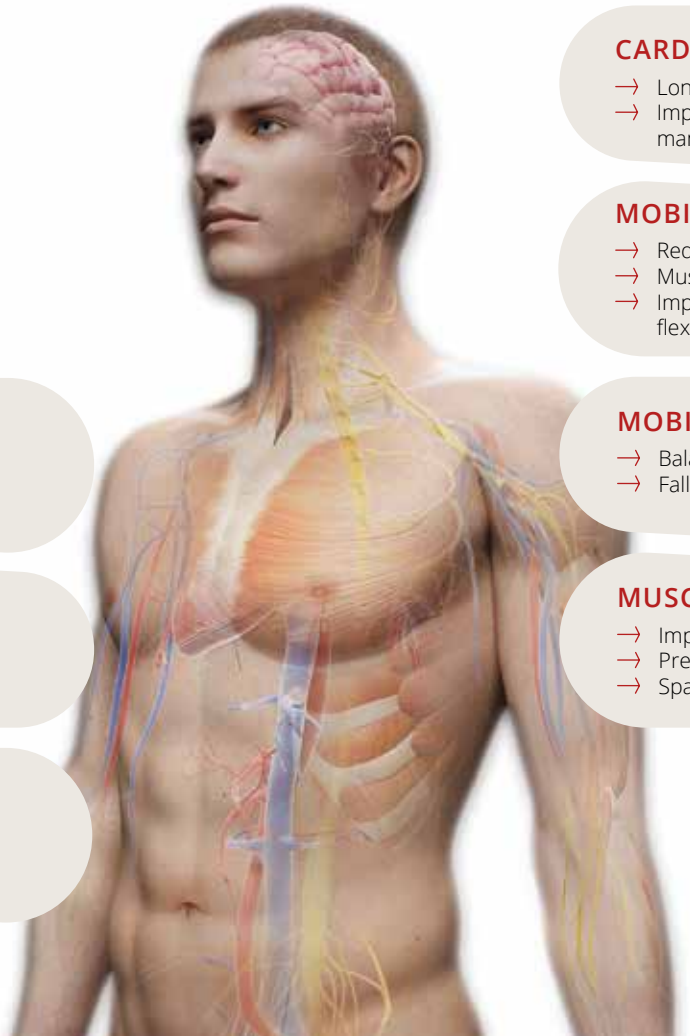
Selection of training frequency according to the training goal.

**) For sports applications up to 40 Hz.

AT A GLANCE – WHY GALILEO®?

- → Proven by scientific studies*
- → Particularly gentle on the cardiovascular system and joints
- → Promotes blood circulation
- → Stimulates metabolism

*) See page 55 for list of literature.



BONE
- → Positive effect of strengthened muscles on bones

MUSCLE PERFORMANCE
- → Increase of muscle power and muscle force
- → Osteoporosis prophylaxis
- → Pelvic floor activation

NERVOUS SYSTEM
- → Improvement of communication and coordination

CARDIOVASCULAR SYSTEM
- → Longer walking distance
- → Improvement of endurance performance

MOBILITY
- → Reduction of contractures
- → Muscle relaxation
- → Improvement of elasticity and flexibility

MOBILISATION
- → Balance and coordination training
- → Fall prevention

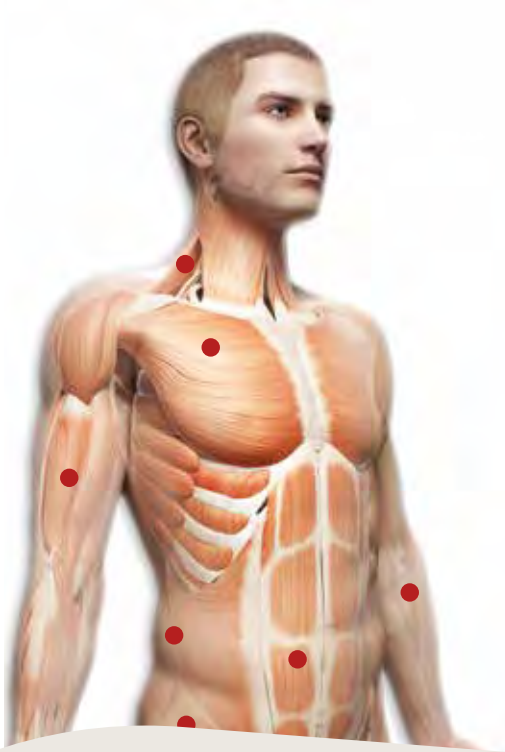
MUSCLE FUNCTION
- → Improvement of muscle function
- → Prevention of back problems
- → Spasticity management

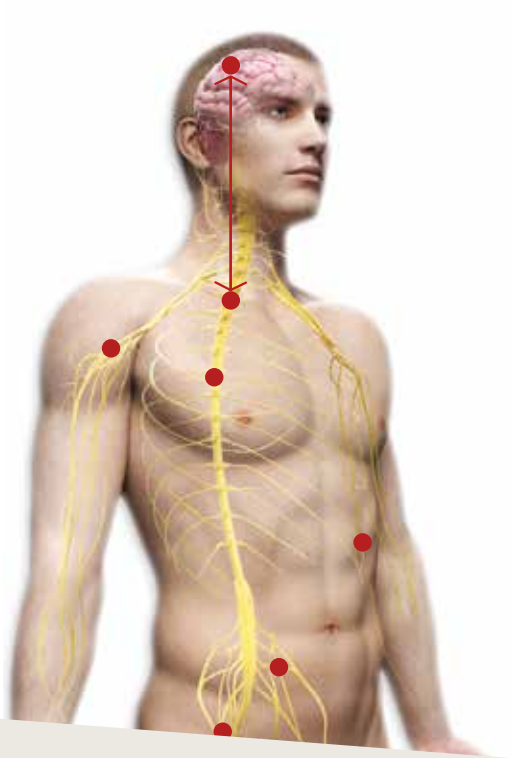
! A careful medical history is a basic prerequisite for any therapy. The current physical condition and possible risks have to be known before a therapy plan is set up. Contraindications must be excluded before the first application of Galileo.

! A detailed list of contraindications can be found on page 53 of our brochure.

GALILEO® DEVICES

EFFECTS OF GALILEO® ON THE HUMAN BODY





MUSCLE POWER AND FORCE

→ Activation of muscles by automatic, involuntary stretching reflex (participating muscles depend on posture, exercise and neurological competence)

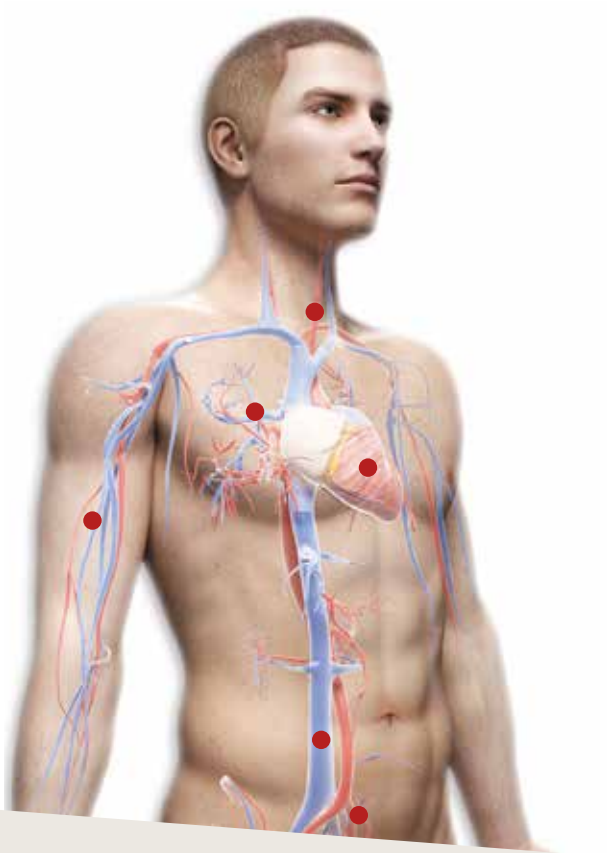
NERVOUS SYSTEM

→ Increased blood circulation through muscle stimulation, thereby improving the supply of energy
→ Triggering of electrical nerve impulses
→ Stimulation of neuronal communication and stimulation of regeneration



MUSCLES AND BONES

→ Muscle contractions and improved muscle function also have a positive effect on bones (muscles and bones communicate with each other and influence each other in their development, e.g. build-up and loss)



METABOLISM AND BLOOD CIRCULATION

→ Muscle contractions promote blood circulation and thus increase metabolism

→ Increased blood circulation can improve supply of cells

Pictures: Fotolia (4)

APPLICATION EXAMPLES FOR GALILEO® THERAPY

The central importance of muscles for a healthy and efficient organism has been increasingly recognised in recent years. Well-functioning and at the same time efficient muscles are an essential condition for healthy joints and bones and are therefore an objective for the prevention and treatment of musculoskeletal disorders. In physiotherapy and rehabilitation, Galileo Therapy is successfully used in combination with other forms of therapy such as manual therapy.

Due to the high number of repetitions in a short period of time, Galileo can help the therapist to significantly increase the efficiency of a therapy.

NEUROLOGICAL DISEASES.

The sinusoidal, repetitive motion of Galileo can be used to enhance motor and neuronal learning effects. Due to the reflective stimulation, Galileo Therapy is very well suited to activate existing residual functions quickly and effectively and to learn specific movement patterns. Galileo Therapy can be used very efficiently in the treatment of neuronal diseases such as multiple sclerosis, Parkinson's disease, incomplete paraplegia and stroke patients. Depending on the indication and individual condition, different frequency ranges can lead to therapy progress. With the Wobbel function, the neural system can be additionally challenged by random frequency changes.

ORTHOPAEDIC DISEASES.

Back pain, tendon, ligament or muscle injuries as well as the treatment of immobilization-related loss of performance muscle force and power form the focal points for Galileo Therapy in orthopaedic therapy facilities. In case of back pain, exercises for mobilization, relaxation or strengthening can be used. Traumatic events such as ligament injuries can be treated with Galileo aftercare. The use of Galileo Therapy in combination with wire ropes or free weights has proven very successful in practice. Due to increased blood circulation and improved metabolism, it is possible to accelerate the healing process under professional guidance and supervision by the therapist.

BACK PAIN.

Incorrect postures and one-sided strains often cause painful tension. Selective therapy on Galileo can strengthen weak structures, relax tense muscles, improve muscle coordination and therefore sustainably reduce back pain.

STROKE.

Consequential damage after a stroke is often considerable. In such cases, the early initiation of treatment can enable Galileo Therapy to effectively treat both minor impairments and severe paretic conditions. Under experienced guidance, the muscles can be trained with Galileo Therapy and spasticity and muscle tone can be effectively controlled. Due to the high number of repetitions and the Wobbel function during application, remaining functions can be activated quickly.

POLYNEUROPATHY.

Polyneuropathies, whether as a side effect of chemotherapeutic drugs, long-term consequences of diabetes mellitus or circulatory disorders of other origin, can often be avoided or slowed down by prophylactic and therapeutic use of Galileo Therapy, e.g. in connection with chemotherapy. In this way, a better quality of life can be largely maintained or restored.

WEAKNESS OF THE PELVIC FLOOR MUSCLES.

In Germany, millions of people suffer from a weakness of the pelvic floor muscles. The relaxation of these muscles and the problems associated with it usually occur due to age, pregnancy and childbirth. Galileo Therapy can strengthen the pelvic floor muscles and improve the symptoms of the associated diseases.

OSTEOPOROSIS.

Osteoporosis is characterised by the loss of bone mass and strength as well as an increased risk of fracture. Fracture prevention in the form of successful fall prevention is therefore the core objective of osteoporosis prophylaxis in Galileo Therapy. In addition, the selective muscle build-up (indirect, positive effect on bone parameters) and the improvement of elasticity, flexibility, proprioception, balance and muscle function are further treatment goals. These goals can be achieved with Galileo Therapy by combining different stimulation frequencies and exercises..

*) See page 55 for list of literature.

AT A GLANCE –
THE ADVANTAGES OF GALILEO® THERAPY

- → Holistic, functional neuromuscular therapy by physiological movement patterns
- → Suitable for users of almost all ages
- → High user acceptance due to quick success
- → Various application possibilities
- → Time saving due to short therapy units
- → Side-alternating technology with seesaw function
- → Comprehensively documented system* with more than 300 publications

HOLISTIC NEUROMUSCULAR STIMULATION.

FAST THERAPY SUCCESS WITH SHORT APPLICATION TIMES.

REPRODUCIBLE APPLICATION CONDITIONS.

The side-alternating form of movement of Galileo standing devices offers various advantages over vibration systems with purely vertical up and down movement. In this way, the back muscles can be effectively activated like during walking or running. This enables stimulation without any significant vibration of the head. Muscle activation is more effective with otherwise identical stimulation parameters and the internal joint forces are lower than with purely vertical vibrating systems. The mechanically guided movement of the Galileo Therapy platform transmits sinusoidal, harmonic movements and forces to the body. This kind of movement allows an effective application especially at higher amplitudes and frequencies. Therapy conditions such as amplitude and frequency can be reproduced at any time and are independent of the user's body weight or stiffness.



GALILEO®

THERAPY IN A PHYSIOTHERAPY OR MEDICAL PRACTICE



Galileo Therapy can be used as a therapy booster for the effective treatment of various forms of musculoskeletal diseases or “only” to increase muscular performance and muscle build-up. The range of Galileo standing devices with separately adjustable control panel offers you and your patient a high freedom of movement..

FOR INDIVIDUAL TREATMENT OR INDEPENDENT USE.

You can use Galileo both for the selective treatment of your patients as part of an accompanied therapy and also for unaccompanied application.

FOR LONG-TERM CUSTOMER RETENTION AND ACQUISITION.

The qualified care by your staff in the initial treatment phase is an essential basis for the long-term success of your patients’ treatment and therapy. This investment in your personnel and in your time management serves to retain your customers in the long term by offering a comprehensive range of competent support and modern equipment technology. The demand for long-term and sustainable treatment concepts is increasing, especially in the case of typical orthopaedic diseases. For this reason, as well as physiotherapy standards many practice owners also offer additional services for the purpose of customer retention and acquisition. Galileo Therapy in combination with competent support by a qualified therapist or trainer can make a significant contribution to increase the attractiveness of your institution.

WITH OUR SUPPORT.

In addition to the equipment technology for therapy and diagnostics, we offer you and your employees qualified training courses specifically for use in the therapeutic field in order to create excellent starting conditions for the use of Galileo in your practice.

MEDICAL DEVICES FOR DIFFERENT APPLICATION AREAS AND BUDGETS.

QUALIFIED CONSULTING AND TRAINING – MORE THAN 20 YEARS OF KNOW-HOW IN THE FIELD OF MUSCLE AND BONE.

Your practice should be equipped according to your needs. It does not always have to be the most expensive Galileo device. Depending on the practice concept, you can choose between the standard equipment for predominantly accompanied therapy sessions or an optional chip card system for time account based billing for unaccompanied use by your patients. A Galileo Mano Med Dumbbell system can make a significant contribution to treatment success in the shoulder and neck area, not only in specialised practices. Severely handicapped, non-standing patients can also benefit from vibration therapy with the help of Galileo Delta tilting table systems and this enables specialised practices to offer their customers an effective therapy medium.

OUR EQUIPMENT RECOMMENDATION

GALILEO® MED L SENSOR

- → Multifunctional system: control and adjustment with suboptimal therapy execution
- → Access control, billing and preparation of individual therapy plans

GALILEO® MANO MED 30/20/20 L

- → Comfortable operation
- → Simultaneous operation of two dumbbells possible
- → Selective treatment of the hand, arm and shoulder areas

GALILEO® MED 35

- → Mobile system
- → For intensive individual therapy with extended functionality

GALILEO® MED 15

- → For pediatrics and home visits



GALILEO®

THERAPY IN GERIATRICS

As people grow older problems in everyday life generally become more frequent. Stair climbing is usually more strenuous due to a lack of force and power. Dressing and many household tasks are hampered by reduced mobility and pain in the joints. This is accompanied by an increased risk of falling and fracture, which can have protracted consequences and often leads to a premature need for nursing care and a loss of independence. You can use Galileo Therapy systems to effectively counteract, for example, the loss of mobility and the resulting bone resorption of your elderly patients. The models of the Galileo standing device series with hand rail options are suitable for use in geriatrics.

MAINTAIN MOBILITY IN OLD AGE.

Selective use of Galileo can increase muscular power, which, according to study results*, can lead to a lower risk of falling. Well-trained and strong muscles are important for maintaining and increasing bone strength. And if your patients are able to move quickly and dynamically, they are better prepared to avoid stumbling. In this way, supporting and evasive movements can be carried out faster and more directed in order to help prevent a fall. Galileo Therapy can help you to achieve these therapy goals by improving strength, force, power, balance and elasticity.

FURTHER POSITIVE EFFECTS.

Galileo Therapy can promote blood circulation and improve the symptoms of weak pelvic floor muscles. The holistic muscle stimulation can activate the muscles of the pelvic floor very effectively in addition to the muscles of the legs and trunk.

SAFE THERAPY PROCEDURE.

Numerous scientific studies** confirm the effectiveness and safety of Galileo Therapy even in old age where there is a high risk of falling as well as for osteoporosis. Under your medical supervision, Galileo Therapy can also be safely carried out in connection with various cardiovascular diseases or COPD (lung disease).

ACCOMPANIED THERAPY OR INDEPENDENT TRAINING.

You can use Galileo for the selective treatment of your patients within the scope of a single treatment and also for unaccompanied use by the patient.



*) See page 55 for list of literature [12]
**) See page 55 for list of literature

STRONG MUSCLES – GOOD BALANCE – LOWER RISK OF FALLING.

EFFICIENT IMPROVEMENT OF MUSCLE FUNCTION FROM YOUNG TO OLD.

Galileo Therapy can be used as a therapy booster for geriatric rehabilitation and as an easy-to-use therapy method with a high level of acceptance, even for fragile patients. The Galileo Mano Med Dumbbell systems are also suited to the treatment of post-apoplectic conditions to improve hand and arm coordination or to build muscle for arms and upper body. The Galileo Delta tilting table is available for the rehabilitation of patients who are not able to stand, for example, in the case of pareses. This means that an enormous reactivation of residual functions can be achieved easily and within a very short period of time. Finally, it is also possible to considerably increase peripheral blood circulation in the feet and legs, a welcome effect for bedridden patients.

OUR EQUIPMENT RECOMMENDATION

GALILEO® MED 40 PLUS

- Space-saving and cost-effective alternative
- To supplement an existing range of therapies, e.g. in rehabilitation facilities

GALILEO® MED L

- The Galileo standard model from the therapeutic practice for assisted therapy sessions with a generous area for the feet

GALILEO® MANO MED 30

- Neuromuscular stimulation especially for hands, arms, shoulders and upper body
- For therapeutic support, e.g. after stroke or hemiparesi

GALILEO® MED CHAIR

- For pelvic floor activation and back relaxation; for the treatment of neurological diseases, e.g. paraplegia



GALILEO®

THERAPY IN HOSPITALS AND IN HEALTH CLINICS

Most modern hospitals and clinics can be characterised by a competent staff and a broad spectrum of treatment and diagnostic methods. Efficient materials and human resources management is an essential basis for the economical operation of the facility. Galileo Therapy systems fit into almost every budget and their benefits are manifold. Depending on the required area of application within the hospital operation, a large or a more compact model from the Galileo medical device series is recommended.

GALILEO® THERAPY FOR TREATMENT IN THE WARD.

The earliest possible physiotherapeutic treatment in the ward is one of the most important steps towards rehabilitation. For example, Galileo Therapy can be used after surgery to reduce the patient's bed rest period and help the patient return to everyday life more quickly. In older patients in particular, protracted rehabilitation stays can be shortened or even avoided through early physical activation. Galileo Therapy is an easy-to-use and versatile therapy tool. As there is no need to carry out time-consuming preparation measures, the muscles of the respective patient can be restored within a short period of time. The treatment is very gentle on joints and the cardiovascular system. In particular, the time factor is an important component when using the unit. Galileo Therapy can achieve a therapeutic effect on muscles, balance and blood circulation in a short period of time with low personnel costs.

GALILEO® THERAPY IN THE OUTPATIENT REHABILITATION PROGRAMME.

The commitment of patients to the outpatient rehabilitation facility of the clinic following their inpatient stay can be promoted by competent, medical and physiotherapeutic care and also by a modern, varied and competitive range of therapies. In comparison to many other therapeutic products and devices, Galileo systems are favourable in terms of purchase and maintenance costs, especially considering the multiple benefits and ease of use. After initial therapy sessions, Galileo can also be used by the patients themselves.

GALILEO® IN HEALTH CLINICS – NOTICEABLE RESULTS AFTER A SHORT TIME.

It is particularly important to have effective treatment methods at your fingertips for a short stay of three to six weeks at a health clinic. Thanks to the large number of repetitions in the application of Galileo Therapy, a noticeable and sustainable successful treatment can be achieved for patients within the typical duration of a stay at the health clinic.



SHORT APPLICATION TIMES WITH GREAT EFFECT ON MUSCLES AND BALANCE.
HIGH ACCEPTANCE ALSO WITH OLDER USERS.

QUICKLY ACCESSIBLE THERAPEUTIC TOOL, EASY TO USE WITHOUT PREPARATION.

An intensive, therapeutically accompanied session with Galileo Therapy need not take more than fifteen minutes a day. Galileo can also be used to build up muscle or selective warming up and relaxation as a preparation for manual therapy. Finally, peripheral blood circulation can also be increased considerably in the stimulated extremities. Provided there is appropriate initial instruction, the use of Galileo is also possible in unaccompanied sessions. A small room with Galileo Therapy devices in your ward offers mobile patients the possibility of more frequent use in addition to regular physiotherapy, which reduces the workload on your staff.

Galileo Therapy can meet all the expectations of the visitors to your health clinic whether they are looking for intensive and accompanied therapy sessions or prefer short and strenuous workouts. The visitors to your health clinic can also use Galileo unaccompanied during the leisure hours of their stay at the clinic after initial instruction has been given taking the specific indications into account and as a result can benefit even more from the advantages of Galileo. Select your Galileo Therapy system according to the orientation of your health clinic services and complement your range of efficient equipment technology.

OUR EQUIPMENT RECOMMENDATION

GALILEO® MED L SENSOR
→ Multifunctional system: control and adaptation for suboptimal application
→ Access control, billing and preparation of individual therapy plans

GALILEO® MED 40
→ For mostly accompanied therapy sessions in the ward

GALILEO® MANO MED 30
→ Mobile system for treating the upper extremities

GALILEO® MED CHAIR
→ Getting started
→ For pelvic floor activation and back therapy
→ For the treatment of neurological diseases

GALILEO® DELTA A TILT TABLE SYSTEM
→ The model for users unable to stand who have a max. height of 1.90 m
→ Continuously adjustable from lying to standing position



GALILEO®

IN THE MEDICAL FITNESS FIELD

Medical Fitness with Galileo is used both as primary preventive (prevention) and tertiary preventive training (rehabilitation). The aim is to maintain or improve the health of the patient individually and sustainably.

ATTRACTIVE OFFERS FOR PATIENTS.

With increasing competition, practices, hospitals and health clinics are required to provide a wide range of services in various therapeutic areas. The more therapeutic options are offered, the more attractive and diversified the stay of your customers can be. Younger and older patients alike value an age-appropriate services. Where older patients may wish individual physiotherapy after knee surgery, the stressed-out mid-forties often values a well-equipped medical fitness field, where they can work and spend their time after initial training and under therapeutic supervision.

GALILEO® PERSONAL TRAINER.

The difference between medical fitness and conventional fitness training is the competence and quality of care of the staff and the used devices. The proven Galileo Personal Trainer as a medical device includes indication-specific treatment plans for a variety of indications such as osteoporosis, back pain, pelvic floor activation, Multiple Sclerosis, Parkinson's, stroke or muscle dystrophy. The work of your therapist will be simplified, your staff will be supported and staff-time can be reduced.

SUPERVISED THERAPY BECOMES INDEPENDENT TRAINING.

Galileo can be used for the targeted treatment of patients as part of supervised therapy or for independent use. Integrate Galileo Therapy into the regular treatment time and familiarize the patient with Galileo Therapy. After a few supervised units, the patient can continue using Galileo independently.

BENEFITS OF USING THE GALILEO® PERSONAL TRAINER.

Reduced staffing - More than 200 exercise variants are available to treat more than 30 indications.

Therapy Plan Manager - patient management and the creation of individual therapy plans are possible.

Upgrading of the self-pay range - supplementation, preparation or follow-up of the therapy.



UPGRADING YOUR THERAPY OFFER.
ROUNDING OUT YOUR PORTFOLIO.

TREATMENT RESULTS WITHIN A VERY SHORT TIME.

Movement in general often shows a very positive effect. In addition to relieving physical ailments, Galileo Therapy helps to find one's own center, as many patients focus not only on physical but also on emotional issues – according to the phrase "Mens sana in corpore sano" ("a healthy mind in a healthy body").

OUR EQUIPMENT RECOMMENDATION

GALILEO® PERSONAL TRAINER

- Together with Galileo Med Fit or Med L series (chip version)
- Visualization of the complete training process
- After introduction independent session possible

GALILEO® MED FIT CHIP & GALILEO® MED PT

- Standard model for the demanding medical fitness sector
- Also available with sensor function

GALILEO® MED FIT EXTREME & GALILEO® MED PT

- Treatment of muscular deficits in the arm, shoulder and neck area by using dumbbells
- Relaxation and relaxation for the upper body
- Also available with sensor function

GALILEO® MED L CHIP & GALILEO® MED PT

- Therapy model with the plus of operating functionality
- Freedom of movement for therapist and patient
- Also available with sensor function



Pictures: Shutterstock

GALILEO® MED 15

MUSCLE TRAINING FOR TODDLERS IN THE MEDICAL FIELD



Wobbel remote control



Integrated control panel

LIGHT AND MOBILE FOR OUR LITTLE ONES.

Galileo Med 15 is particularly suitable for use in early childhood and infancy, for children with a body weight of up to 50 kg. The device also impresses with its low space requirement and mobility thanks to its very low dead weight.

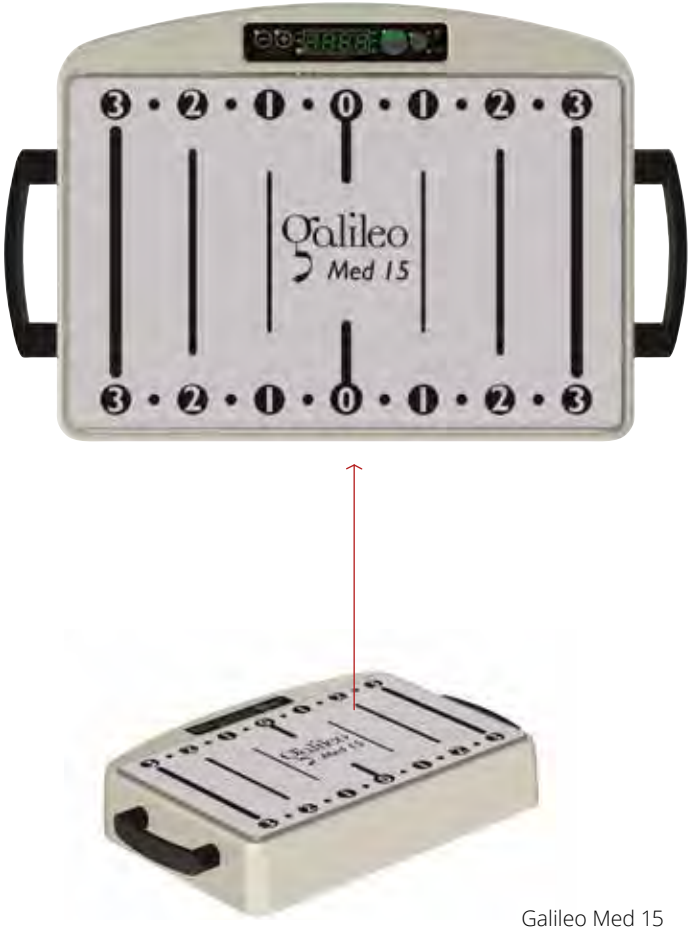
The integrated dumbbell link up and the Wobbel function expand the range of training options. As an option, Galileo Med 15 can be supplemented with a Galileo Mano Med Dumbbell model for a full body stimulation. Both synchronous and separate operation of both devices is possible at any time.

SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT

- → Integrated control panel with buttons and display
- → Connection for Galileo Mano Med Dumbbell
- → Dimensions: 524 x 340 x 100 mm (incl. handles)
- → Footplate: 412 x 258 mm
- → Weight: 12.8 kg
- → Amplitude: 0..+/-3.5 mm (stroke: 7.0 mm)
- → Max. acceleration: 10.3 g
- → Frequency range: 8..27 Hertz
- → Max. load (body weight): 50 kg
- → Power requirements: 100–240 V AC, 50/60 Hz, 180 VA
- → CE0123 certificate (medical device) acc. to regulation 93/42/EEC

WOBBEL REMOTE CONTROL



Galileo Med 15

Mano Med dumbbells
optionally available:



Galileo Mano Med 20

or



Galileo Mano Med 20 L



Galileo Med 15 with
Galileo Mano Med 20/20 L

The integrated control panel is used to switch on or off the devices.

AVAILABLE OPTIONS

GALILEO MANO MED DUMBBELL 20/20 L

→ Training of the upper extremities + the neck area

GALILEO® MED 35

HANDS-ON PHYSIOTHERAPY



Wobbel remote control



Integrated control panel

FLEXIBLE USE AND FUNCTIONAL DIVERSITY FOR INTENSIVE INDIVIDUAL THERAPY.

This device combines sophisticated technology in a small space with a low weight. Galileo Med 35 with integrated Wobbel and smart coaching functions offers a wide range of functions and can be highly effective in intensive individual therapy. Galileo Med 35 can support patients and therapists with great freedom of movement and can be used flexibly. The low-noise operation can combine application with comfort in a pleasing way. A Wobbel remote control is included in the scope of delivery which can be used during therapy to switch the device on and off, conveniently adjust the stimulation frequency, and use the Wobbel function.

SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT

- Integrated control panel with 4 buttons and display (start/stop, Button select [frequency, time...], button +/-)
- Dimensions: 683 x 490 x 131 mm
- Footplate: 547 x 349 mm
- Weight: 34 kg
- Amplitude: 0..+/-4.7 mm (stroke: 9.4 mm)
- Max. acceleration: 20.6 g
- Frequency range: 5..33 Hz
- Max. load (body weight): 140 kg
- Power requirements: 230 V AC, 50/60 Hz, 400 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

WOBBEL REMOTE CONTROL





Galileo Med 35



Galileo Med 35 with separate hand rail and base plate



Galileo Med 35 with hand rail with integrated transport rollers

The optional hand rail available as an option provides additional safety at home for users prone to falling. It is easy to fit to the base unit so that you can buy and retrofit it at a later date as required.

AVAILABLE OPTIONS

HAND RAIL WITH TRANSPORT ROLLERS

→ Dimensions: 434 x 272 x 1051 mm
→ Weight: 3 kg

SEPARATE HAND RAIL WITH BASE PLATE

→ Dimensions: 730 x 750 x 1150 mm; weight: 17 kg

GALILEO® MED 40 PLUS

MUSCLE STIMULATION FOR USE IN GERIATRICS



Control panel on hand rail

THE COMPACT MEDICAL DEVICE FOR APPLICATIONS INTO OLD AGE.

Galileo Med 40 Plus offers an integrated control panel on the device for independent use in geriatric applications. Thanks to its flat design and hand rail, even frail patients can safely use the Galileo. The generous therapy platform offers enough space for basic exercises on fall prevention, balance and stretching. The wide frequency range from 5 to 33 Hertz enables functional therapy from proprioception to strenuous muscle building.

SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT (WITHOUT INTERNAL CONTROL PANEL)

- → Dimensions: 683 x 490 x 131 mm
- → Footplate: 547 x 349 mm
- → Weight: 34 kg
- → Amplitude: 0 +/- 4.7 mm (stroke: 9.4 mm)
- → Max. acceleration: 20.6 g
- → Frequency range: 5..33 Hz
- → Max. load (body weight): 140 kg
- → Power requirements: 230 V AC, 50/60 Hz, 400 VA
- → CE0123 certificate (medical device) acc. to regulation 93/42/EEC

HAND RAIL WITH CONTROL PANEL INCLUDING KEY SWITCH

- → Dimensions: 730 x 790 x 1200 mm
- → Weight: 18 kg

AVAILABLE OPTIONS

GALILEO® TPM THERAPY PLAN MANAGER

- → Creation and printout of individually tailored therapy plans



Galileo Med 40 Plus



Separate standing control panel

GALILEO® MED 40

ALTERNATIVE TO GALILEO® MED 40 PLUS



Galileo Med 40

SEPARATELY MOUNTABLE CONTROL PANEL FOR THE ACCOMPANIED THERAPY SESSION.

Galileo Med 40 offers the therapist more flexible operability due to its separate control panel and offers the patient additional safety with its holding possibility. If a very high degree of freedom of movement is required for the patient, in contrast to the Med 40 Plus model, the included hand rail can be removed.

SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT (WITHOUT INTERNAL CONTROL UNIT)

- Dimensions: 683 x 490 x 131 mm
- Footplate: 547 x 349 mm
- Weight: 34 kg
- Amplitude: 0 +/- 4.7 mm (stroke: 9.4 mm)
- Max. acceleration: 20.6 g
- Frequency range: 5..33 Hz
- Max. load (body weight): 140 kg
- Power requirements: 230 V AC, 50/60 Hz, 400 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

HAND RAIL WITH TRANSPORT ROLLERS

- Dimensions: 434 x 272 x 1051 mm
- Weight: 3 kg

SEPARATE STANDING CONTROL PANEL WITH KEY SWITCH

- Dimensions: diameter 250 x 1060 mm
- Weight: 9 kg

AVAILABLE OPTIONS

HAND RAIL WITH BASE PLATE

- Dimensions: 730 x 750 x 1150 mm
- Weight: 17 kg

GALILEO® MED L

THE MODEL FOR MANY DIFFERENT THERAPEUTIC APPLICATIONS



Separate standing control panel



Integrated control panel (Galileo Med L/Med L Sensor)

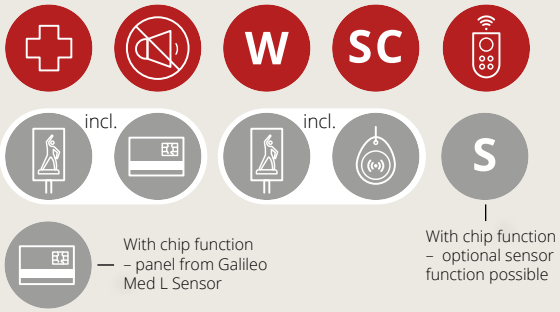


Wobbel remote control

FREEDOM OF MOVEMENT FOR THERAPIST AND PATIENT. INTEGRATED FUNCTIONS.

With the free-standing control panel, large standing platform and amplitude, Galileo Med L is ideal for many different therapeutic applications. Due to the max. load capacity of 200 kg it coveres a large patient range. The integrated Wobbel function provides additional stimuli for the neuronal system, balance and coordination. The Smart Coaching function can automatically adjust the frequency during the application to the individual's abilities.

Also available as chip version – for billing and creating individual training profiles.



SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT

- Integrated control panel with buttons and display
- Dimensions: 875 x 640 x 138 mm (without rail) / 875 x 710 x 1200 mm (with rail)
- Footplate: 580 x 370 mm
- Weight: 47 kg
- Amplitude: 0 +/- 5.2 mm (stroke: 10.4 mm)
- Max. acceleration: 27.1 g
- Frequency range: 5..36 Hz
- Max. load (body weight): 200 kg
- Power requirements: 230 V AC, 50/60 Hz, 800 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

HAND RAIL, INTEGRATED IN BASE UNIT

- Height: 1200 mm

SEPARATE STANDING CONTROL PANEL WITH KEY SWITCH

- Dimensions: diameter 250 x 1060 mm
- Weight: 9 kg

WOBBEL REMOTE CONTROL



Galileo Med L



Separate standing control panel



Accessories of the chip version.

GALILEO® MED L SENSOR

PLUS ON OPERATING FUNCTIONALITY FOR INDEPENDENT THERAPY UNITS



Galileo Med L Sensor

FUNCTIONALITY. GALILEO® SMART SENSE – FORCE SENSORS DETECT ASYMMETRY.

Galileo Med L Sensor features an integrated measuring function based on 4 force sensors. Additional forces and displaying continuously an asymmetry of the body position during the Galileo application are measured and graphed. Furthermore, the device offers the extensive operating functionality and the possibility of personalised therapy plans by using chip cards. The additional functions Smart Coaching and Smart Sense allow more efficiency, control and security. The integrated Wobbel function completes the performance package of the multifunctional device.

SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT

- Integrated control panel with buttons and display
- 4 integrated force sensors (max. force per sensor 2000 N)
- Dimensions: 875 x 640 x 138 mm (without rail) / 875 x 710 x 1200 mm (with rail)
- Footplate: 580 x 370 mm
- Weight: 48 kg
- Amplitude: 0 +/- 5.2 mm (stroke: 10.4 mm)
- Max. acceleration: 27.1 g
- Frequency range: 5..36 Hz
- Max. load (body weight): 200 kg
- Power requirements: 230 V AC, 50/60 Hz, 800 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

HAND RAIL, INTEGRATED IN BASE UNIT

- Height: 1200 mm

SEPARATE STANDING CONTROL PANEL WITH KEY SWITCH

- Dimensions 250 x 1060 mm
- Weight: 10 kg

CHIP VERSION

- Chip card reader + 30 chip cards, CD TPM software

AVAILABLE OPTIONS

WOBBEL REMOTE CONTROL

PERSONAL TRAINER (PT)



GALILEO® MED FIT

THE STANDARD MODEL FOR THE SOPHISTICATED MEDICAL FITNESS FIELD



Control panel on hand rail



Integrated control panel

WITH INTEGRATED WOBBEL AND SMART COACHING FUNCTION.

With its large baseplate and large amplitude, Galileo Med Fit is an excellent therapy device for improving performance in the medical fitness field. The maximum load capacity of 200 kg covers a wide range of users and allows the use of additional weights. The built-in Wobbel function can further promote and train the neuronal system through random frequency changes the user needs to respond to. With the Smart Coaching function Galileo offers even more security and efficiency. Automatically, the frequency can be adapted to individual abilities.

Also available as chip card version – for billing and creating individual Profiles.



SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT

- Integrated control panel with buttons and display
- Dimensions: 780 x 615 x 140 mm
- Footplate: 580 x 370 mm
- Weight: 42 kg
- Amplitude: 0..+/-5.2 mm (stroke: 10.4 mm)
- Max. acceleration: 27.1 g
- Frequency range: 5..36 Hertz
- Max. load (body weight): 200 kg
- Power requirements: 230 V AC, 50/60 Hz, 800 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

HAND RAIL WITH CONTROL PANEL INCLUDING KEY SWITCH

- Dimensions: 730 x 880 x 1300 mm
- Weight: 22 kg

AVAILABLE OPTIONS

WOBBEL REMOTE CONTROL

PERSONAL TRAINER (PT)



Galileo Med Fit



Wobbel remote control (optional)



Chip version accessories.



Galileo Med Fit Sensor

GALILEO® MED FIT SENSOR

THE CHIP CARD VERSION OF GALILEO® MED FIT WITH EXTENDED FUNCTIONAL POSSIBILITIES

GALILEO® SMART SENSE – FORCE SENSORS DETECT ASYMMETRY.

Galileo's new Galileo Wobbel, Galileo Smart Coaching and Galileo Smart Sense features make Galileo's vibration technology even more effective than before.

With the Chip Card version, including the Galileo Therapy Plan Manager, Galileo Med Fit Sensor offers the ability to easily calculate usage time and create custom profiles. With the control panel directly in front of the user, he is able to operate the Galileo device independently and simply without the need of supervising personell.

SCOPE OF DELIVERY AND SPECIFICATIONS

BASE UNIT

- Integrated control panel with buttons and display
- Dimensions: 780 x 615 x 140 mm
- Footplate: 580 x 370 mm
- Weight: 43 kg
- Amplitude: 0..+/-5.2 mm (stroke: 10.4 mm)
- Max. acceleration: 27.1 g
- Frequency range: 5..36 Hertz
- Max. load (body weight): 200 kg
- Power requirements: 230 V AC, 50/60 Hz, 800 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

HAND RAIL WITH CONTROL PANEL INCLUDING KEY SWITCH

- Dimensions: 730 x 880 x 1300 mm
- Weight: 22 kg

CHIP VERSION

- Chip card reader + 30 chip cards, TPM software

AVAILABLE OPTIONS

WOBBEL REMOTE CONTROL

PERSONAL TRAINER (PT)



GALILEO® MED FIT EXTREME

THE STRONG PACKAGE FOR HIGH INTENSIVE WHOLE-BODY APPLICATION



Wobbel remote control (optional)



Control panel on hand rail



Integrated control panel

INCLUDING GALILEO® MED FIT, THE STANDARD MODEL FOR THE PREMIUM MEDICAL FITNESS FIELD AND 2 INTEGRATED GALILEO® MANO MED 30 DUMBBELLS FOR RELAXING AS WELL AS DEMANDING APPLICATION.

The combination of Galileo Med Fit with its large base plate and high amplitude and the two Galileo Mano Med 30 Dumbbells, allows highly intensive whole-body exercises. With just one device, lower extremities, torso and upper body can now be trained effectively together with the arms and shoulders. The intuitive central control panel mounted on the hand rail allows central control of all Galileo Med Fit Extreme components. This includes the Mano Med Dumbbells which can be switched on and off seperately.

The Galileo Smart Coaching function offers the user even more security and efficiency. Automatically, the frequency can be adapted to individual abilities.



SCOPE OF DELIVERY AND SPECIFICATIONS

GALILEO® MED FIT WITH INTEGRATED GALILEO® MANO MED 30 DUMBBELLS

BASE UNIT GALILEO® MED FIT

→ For technical data see page 28

HAND RAIL WITH CONTROL PANEL INCLUDING KEY SWITCH

→ Dimensions: 730 x 880 x 1300 mm
→ Weight: 22 kg

CHIP VERSION

→ Chip card reader + 30 chip cards, TPM software

TWO DUMBBELLS

→ For technical data see page 35

A PAIR OF WEIGHT DISKS EACH WITH 1.25 KG

→ Including fastening clips

AVAILABLE OPTIONS

WOBBEL REMOTE CONTROL

PERSONAL TRAINER (PT)



Galileo Med Fit Extreme



Weight disks with clips



Chip version accessories.



Galileo Med Fit Extreme Sensor

GALILEO® MED FIT EXTREME SENSOR

HIGH INTENSITY WHOLE-BODY APPLICATION INCL. GALILEO® SMART SENSE

DETECTING ASYMMETRY WITH GALILEO® SMART SENSE.

Galileo Smart Sense measures additional forces and an asymmetry of the body position continously during the Galileo application and displayes them on the control panel.

The Galileo Smart Sense function extends the range of features of Galileo Med Fit Extreme. Which makes it even safer and even more efficient for the user.

SCOPE OF DELIVERY AND SPECIFICATIONS

GALILEO® MED FIT WITH INTEGRATED GALILEO® MANO MED 30 DUMBBELLS

BASE UNIT GALILEO® MED FIT

→ For technical data see page 28

HAND RAIL WITH CONTROL PANEL INCLUDING KEY SWITCH

→ Dimensions: 730 x 880 x 1300 mm
→ Weight: 22 kg

CHIP VERSION

→ Chip card reader + 30 chip cards, TPM software

TWO DUMBBELLS

→ For technical data see page 35

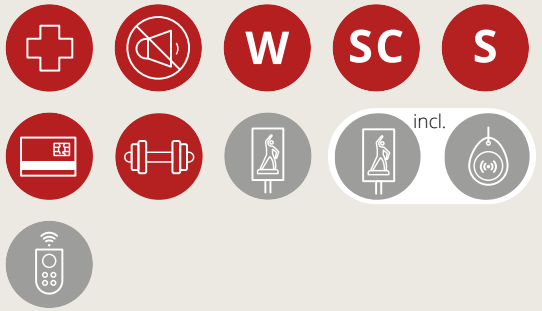
A PAIR OF WEIGHT DISKS EACH WITH 1.25 KG

→ Including fastening clips

AVAILABLE OPTIONS

WOBBEL REMOTE CONTROL

PERSONAL TRAINER (PT)



GALILEO® MED PT (PERSONAL TRAINER) AT A GLANCE

PANEL FOR YOUR INTERACTIVE APPLICATION

WITH LARGE DISPLAY FOR VISUALIZATION OF THE COMPLETE EXERCISE PROCEDURE.

On the large HDTV monitor, the entire sequence of exercises is guided by videos in real time. The stand-alone panel is available for selected models. Its control is integrated into the control panel of the Galileo stand unit.

FUNCTIONAL SCOPE

TRAINING MODES

Free exercises: In this mode, the user himself selects individual exercises from topic-related exercise groups (example: „Warm Up“) one after the other. He can change the given parameters with each exercise.

Auto-Training: In this mode the complete training schedule including total time and breaks is given. During the breaks, the user already sees a preview of the next exercise and can prepare for it.

INTENSITY LEVELS

→ There are up to 6 intensity levels to choose from.

WOBBEL FUNCTION

→ The Wobbel function can be switched on individually at any time in the intensity level light, medium or difficult.

SIMPLE UPDATES

→ The software has a modular structure, updates can be easily made and additional modules can be retrofitted, for example in the form of new exercise groups.

TIME ACCOUNT

→ Access restriction can be achieved through the chip cards or the optional RFID function. With the supplied PC software, you define whether your customers can train with or without a time account.

PERSONALIZED THERAPY PLANS

→ In addition to free exercises and auto-training, you have the opportunity to create a solid therapy plan tailored to your individual needs. You can make this diversified by adding the random number generator for the exercise selection. The use of a chip card or the optional RFID function is required.

OWN PICTURE MATERIAL

→ In addition, you can import your own pictures, for example with advertising or general information, to bridge idle times.



Galileo Med PT



The surface of Galileo Med PT

Galileo Med PT helps you to motivate and retain your customers, and at the same time decrease personnel costs. Due to the large number of exercise groups and exercises, Galileo Med PT training is hardly ever boring. The patient can either adjust or change the exercise group and thus the target of the course session at any time, or you can specify a complete course schedule. For „classic" personal training, with individual support or 1+1 therapy the Galileo PT can either be switched off completely or used as an advertising panel in standby mode.

AVAILABLE OPTIONS

1 REAL-TIME CLOCK/RFID

→ Configuration of daily, weekly and monthly limits for Galileo Med Fit PT Bundle possible

→ Adjustable restrictions on the frequency of use

2 EXTERNAL VALIDATION (IO MODULE)

→ Access-Control of a Galileo device via an existing system (e.g. RFID chip or other key and payment systems) for access control

→ Connecting appropriate third-party terminals Galileo base unit possible; Activation / deactivation via switching input

← THE INTERFACE

1. Therapy plan
2. Exercise video
3. Exercise parameter (Exercise duration, Frequency, foot position)
4. Wobbel function
5. Muscle groups training focus
6. Progress bar and remaining exercise time
7. Description text to practise
8. Selection therapy goal

GALILEO® MANO MED DUMBBELLS

GALILEO® THERAPY FOR ARMS AND UPPER BODY



Rear view
control panel

The Galileo Mano Med Dumbbell systems are used in particular for the reduction of spasticity or movement restrictions, circulatory disturbances, improvement of motor functions or for strengthening of muscles.

GALILEO® MANO MED 30 – THERAPY FOR ARMS AND UPPER BODY

The Galileo Mano Med 30 Dumbbell System allows relaxing and challenging therapy sessions as needed. Muscular deficits of the upper extremities and the shoulder neck area can be effectively and quickly addressed and freedom of movement, for example, after shoulder injuries can be restored in a short amount of time. The Galileo Med Fit Extreme system includes 2 Galileo Mano Med 30 Dumbbells.

GALILEO® MANO MED 20 – DUMBBELL FOR ONE ARM EXERCISES

The Dumbbell system Galileo Mano Med 20 with reduced handle diameter and weight offers adequate therapy possibilities for children with customary ease of use. The Galileo Mano Med 20 Dumbbell is optimized for weight and, with its 160 mm grip width, is designed for one-handed exercises guided by the therapist. The excentric movement of the dumbbell handle provides a fixed amplitude of 2.5 mm.

GALILEO® MANO MED 20 L – DUMBBELL FOR TWO ARM EXERCISES

The Galileo Mano Med 20 L Dumbbell system is the extended version of the Mano Med 20 model with a side-alternating handle for use with both hands. The handle width has been extended to comfortable 260 mm. The side-alternating function of the dumbbell results in a variable amplitude in the range from 0 to 2.5 mm. The grip position of the hands determines the effective amplitude.

WOBBEL FUNCTION.

The activation of the Wobbel function allows a randomly changing frequency (oscillations per second).

Easily combine your Galileo Mano Med Dumbbell with your rubber spring or cable pulley and use the suspension to take advantage of the weight relief for your patients.

Optionally, a second Mano Med Dumbbell can be operated.



Galileo Mano Med 20 L
Dumbbell system



Galileo Mano Med 20 L
Dumbbell system



Weight disks with clips
(optional)



Galileo Mano Med 30 dumbbell system
(with weight disks – optional)

SCOPE OF DELIVERY AND SPECIFICATIONS

DUMBBELL MANO MED 30

- → Dimensions: 280 x 200 x 60 mm
- → Weight: 2.6 kg
- → Grip width: 130 mm
- → Amplitude: 2 mm (Hub: 4 mm)
- → Max. acceleration: 12.1 g
- → Wobbel function: included
- → CE0123 certificate (medical device) acc. to regulation 93/42/EEC

DUMBBELL MANO MED 20

- → Dimensions: 217 x 151 x 46 mm
- → Weight: 1.1 kg
- → Grip width: 160 mm
- → Amplitude: 2.5 mm fixed
- → Max. acceleration: 16.1 g
- → Wobbel function: included
- → CE0123 certificate (medical device) acc. to regulation 93/42/EEC

DUMBBELL MANO MED 20 L

- → Dimensions: 317 x 151 x 46 mm
- → Weight: 1.4 kg
- → Grip width: 260 mm
- → Amplitude: 0...2.5 mm variable
- → Max. acceleration: 16.1 g
- → Wobbel function: included
- → CE0123 certificate (medical device) acc. to regulation 93/42/EEC

SEPARATE STANDING CONTROL PANEL

- → Solid plastic housing
- → Input voltage range broad range mains adapter: 100..240 V AC
- → Dimensions: 250 x 160 x 80 mm
- → Weight: 1.9 kg
- → Frequency range: 5..40 Hz
- → Power consumption: 200VA max

INCLUDED ACCESSORIES

- → Power cable and operating manual

AVAILABLE OPTIONS

SECOND DUMBBELL

- → Parallel operation

TWO WEIGHT DISKS (FOR MANO 30)

- → Incl. fastening clips

FOOT SWITCH

- → To easily switch off the Galileo system (With purchase of 2 dumbells foot switch included)

REMOTE CONTROL FOR CONTROL PANEL WOBBEL REMOTE CONTROL

GALILEO® MED CHAIR

SIDE-ALTERNATING MUSCLE STIMULATION IN SITTING POSITION



Wobbel remote control



Integrated control panel

SELECTIVE THERAPY FOR THE PELVIC FLOOR, BACK AND TRUNK.

In contrast to the application on the proven standing devices or tilting table systems the therapy on Galileo Med Chair is carried out in a sitting position. Important target parameters are pelvic floor activation, back mobilisation, trunk stabilization, pain prevention or relaxation. In addition, Galileo Med Chair can be used to treat neurological diseases. In particular, users with limited standing capacity or insecure users can be enabled to use Galileo Med Chair on their own or also in the familiar surroundings at home. Included in the delivery is a remote control for the Wobbel function.

SCOPE OF DELIVERY AND SPECIFICATIONS

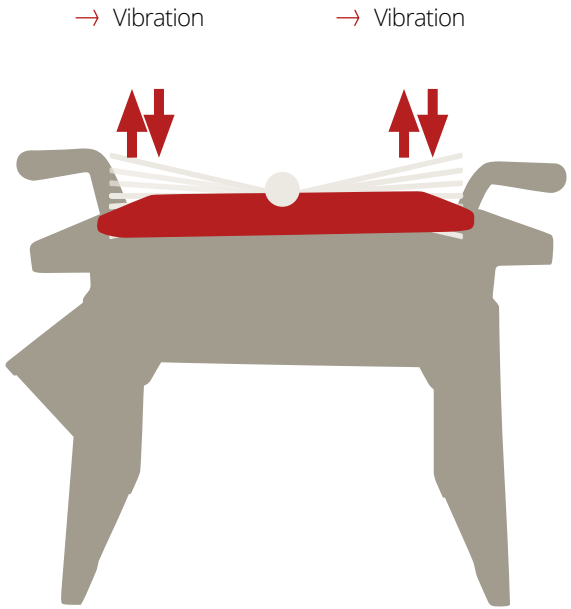
GALILEO® MED CHAIR

- Integrated control panel with buttons and display
- Dimensions: 670 x 400 x 520 mm
- Sitting area: 480 x 320 mm
- Weight: 28 kg
- Amplitude: 0 +/-6.0 mm (stroke: 12.0 mm)
- Max. acceleration: 9.6 g
- Frequency range: 2..20 Hz
- Max. load (body weight): 150 kg
- Power requirements: 230 V AC, 50/60 Hz, 400 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC

WOBBEL REMOTE CONTROL



Galileo Med Chair



Galileo Med Chair

Galileo Med Chair can be an especially useful tool to counteract multifactorial diseases in the field of geriatrics. Patients who are difficult to motivate can also be treated effectively and quickly using Galileo Med Chair. The special areas of application for Galileo Therapy in a seated position such as pelvic floor activation, neuromuscular stimulation or blood circulation support can make the Galileo Med Chair an effective tool in geriatrics and with neurological problems. For example, Galileo Med Chair can be used specifically to stabilise the trunk or improve the trunk control of patients who are unable to stand, e.g. with spinal cord injuries.

GALILEO® DELTA A / DELTA C TILT TABLE

SIDE-ALTERNATING MUSCLE STIMULATION FOR USERS THAT ARE UNABLE TO STAND



Base unit Galileo Med 25 TT with integrated control panel



Wireless remote control

APPLICATION IN CHILDREN AND ADULTS.

Users that are unable to stand can benefit from the therapeutic achievements of the Galileo system with the Galileo Delta. The primary therapeutic goals are the improvement of the muscular status of legs and trunk, to alleviate contractures, to promote blood circulation and to reduce spasticity (spasticity management). The scope of delivery includes a remote control for controlling the basic unit, for continuously adjusting the tilt angle of the table and for controlling the Wobbel mode. The Delta A model with a reclining area of 1.90 m in length is suitable for the therapy of adults, the Delta C model with a 1.50 m long reclining area is suitable for the therapy of children.

SCOPE OF DELIVERY AND SPECIFICATIONS

TILT TABLE WITH ANGLE DISPLAY AND FASTENING STRAPS FOR LEGS AND TRUNK

GALILEO® DELTA A

- → For persons with a height up to 1.90 m and 120 kg weight
- → Total dimension in horiz. position: 2290 x 720 x 1025 mm
- → Lying area: 1900 x 670 mm, Lying height with rollers: 600 mm
- → Weight: 82 kg



GALILEO® DELTA C

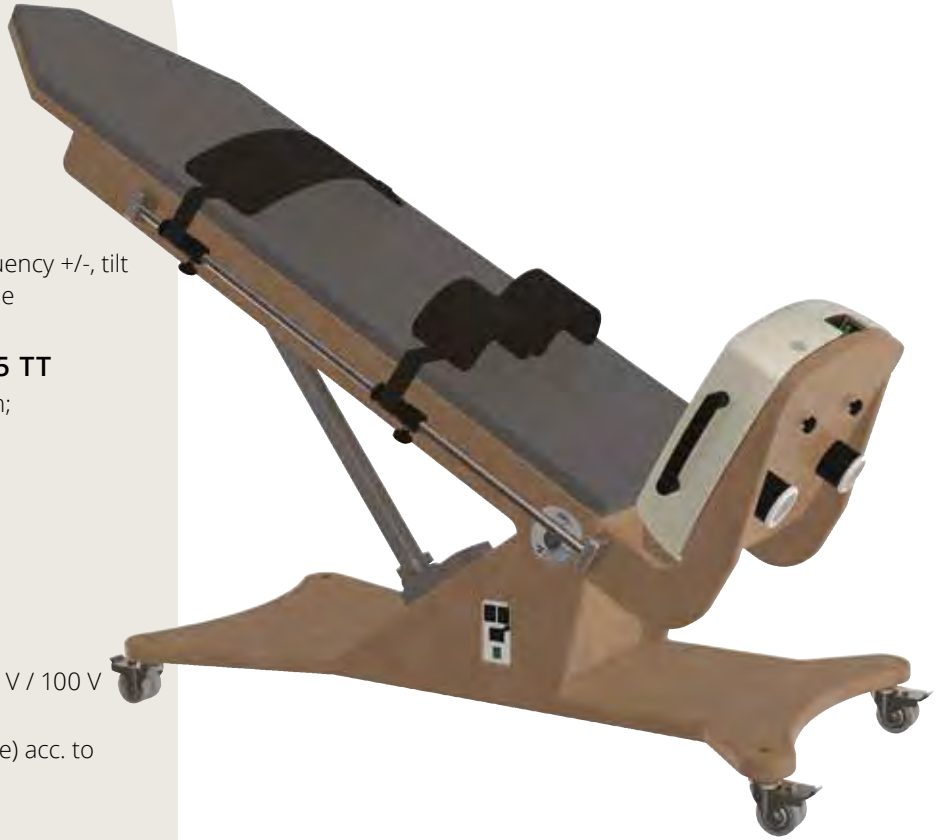
- → For persons with a height up to 1.50 m and 120 kg weight
- → Total dimension in horiz. position: 1910 x 720 x 1025 mm
- → Lying area: 1500 x 670 mm
- → Weight: 79 kg
- → Delta A/C: Power requirements: or 115 V / 100 V AC, 50/60 Hz, 400 VA

DELTA REMOTE CONTROL

- → With buttons for start/stop, frequency +/-, tilt angle +/-, control of Wobbel mode

BASE UNIT GALILEO® MED 25 TT

- → Dimensions: 683 x 490 x 131 mm; Footplate: 547 x 349 mm
- → Weight: 33 kg
- → Amplitude: 0 +/- 3.4 mm (stroke: 6.8 mm)
- → Max. acceleration: 14.9 g
- → Frequency range: 5..33 Hz
- → Max. 120 kg body weight
- → Power requirements: 230 V / 115 V / 100 V AC, 50/60 Hz, 400 VA
- → CE0123 certificate (medical device) acc. to regulation 93/42/EEC



Galileo Delta A TiltTable (for persons with a height up to 1.90 m)



Angle display =

→ Adjustment of the inclination angle possible via the remote control or tilting table control

→ Display also digitally on the base unit Med 25 TT

Rollers for more mobility

Galileo Delta A TiltTable

The Galileo tilting table systems have been used successfully for years with adults and children with congenital or acquired disorders of the musculoskeletal system.

AVAILABLE OPTIONS

HAND RAIL WITH TRANSPORT ROLLERS FOR SEPARATE USE OF GALILEO® MED 25 TT

→ Dimensions: 434 x 272 x 1051 mm

→ Weight: 3 kg

GALILEO® DELTA MINI TILT TABLE

THERAPY WITH GALILEO® FOR TODDLERS



Base unit Galileo Med 15 TT
with integrated control panel



RF remote control

EASY AND EFFECTIVE FOR OUR LITTLE ONES.

The Galileo Delta Mini allow toddlers unable to stand to benefit from the therapy success with Galileo. The Galileo Med 15 TT has an interface to control the TiltTable by the remote control and can also display the tilt angle. Med 15 TT can be removed from the TiltTable and used as a base plate on the floor. Galileo Delta Mini are particularly suitable for use in small children weighing up to 45 kg. The device is compact for a space requirement.

The integrated dumbbell connector and the Wobbel function expand the range of therapy options. The Galileo Med 15 TT can be used with a Galileo Mano Dumbbell model for a total body workout. Both synchronous or separate operation of both devices is possible at any time.

SCOPE OF DELIVERY AND SPECIFICATIONS

TILT TABLE WITH ANGLE DISPLAY AND FASTENING STRAPS FOR LEGS AND TRUNK

- For persons with a height up to 1.20 m and 45 kg weight
- Total dimension in horiz. position: 1435 x 450 x 890 mm
- Lying area: 1250 x 450 mm
- Lying height (horiz.): 590 mm (without rollers)
- Baby gradle pad (+ Flad pad)
- Weight: 28.5 kg

DELTA REMOTE CONTROL

- With buttons for start/stop, frequency +/-, tilt angle +/-, control of Wobbel mode

BASE UNIT GALILEO® MED 15 TT

- Integrated control panel with buttons and display
- Connection for Galileo Mano Dumbbell
- Dimensions: 524 x 340 x 100 mm (incl. grips)
- Footplate: 412 x 258 mm
- Weight: 12.8 kg
- Amplitude: 0..+/-3,5 mm (stroke: 7.0 mm)
- Max. acceleration: 10.3 g
- Frequency range: 8..27 Hertz
- Max. body weight: 50 kg
- Power requirements: 100–240 V AC, 50/60 Hz, 180 VA
- CE0123 certificate (medical device) acc. to regulation 93/42/EEC



Galileo Delta Mini TiltTable (For persons with a height up to 1.20 m)

Dumbbells Mano Med
optionally available:



Galileo Mano Med 20 L

or



Galileo Mano Med 20



Galileo Med 15 with
Galileo Mano Med 20/20 L

The Galileo tilting table systems have been used successfully for years with adults and children with congenital or acquired disorders of the musculoskeletal system.

The integrated control unit activates or deactivates the respective devices used.

AVAILABLE OPTIONS

TILT TABLE WITH ROLLERS

→ For more mobility of the Galileo tilting table

GALILEO® MANO MED DUMBBELL 20/20 L

→ Training of the upper extremities + the neck area

GALILEO® WOBBEL FUNCTION

EFFECTIVE STIMULATION OF BALANCE AND COORDINATION



Integrated control panel with display of the Wobbel selection mode



Wobbel remote control

GALILEO® THERAPY WITH RANDOM FREQUENCY CHANGES.

The Wobbel function, often referred to as the stochastic function, enables Galileo Therapy with randomly changing frequencies. The stimulation frequency (oscillations per second) changes to be faster or slower according to the selected degree of difficulty. The speed of frequency changes can be chosen to be easy, medium or hard, depending on the degree of difficulty. In addition, the average frequency by which the random frequency changes take place can be moved up or down even during an ongoing theraphy session.

The Wobbel function is very well suited to balance and coordination exercises in connection with neurological indications, for example, as the user cannot predict how the frequency will be modified over time.

Allow your patients an extra treatment with the Wobbel function.

Use the Wobbel function especially for therapy with neurological indications. Combine tasks such as ball games or one-legged exercises with the Galileo Wobbel function. In addition, it can be used to increase motivation during strenuous exercises with high frequencies.

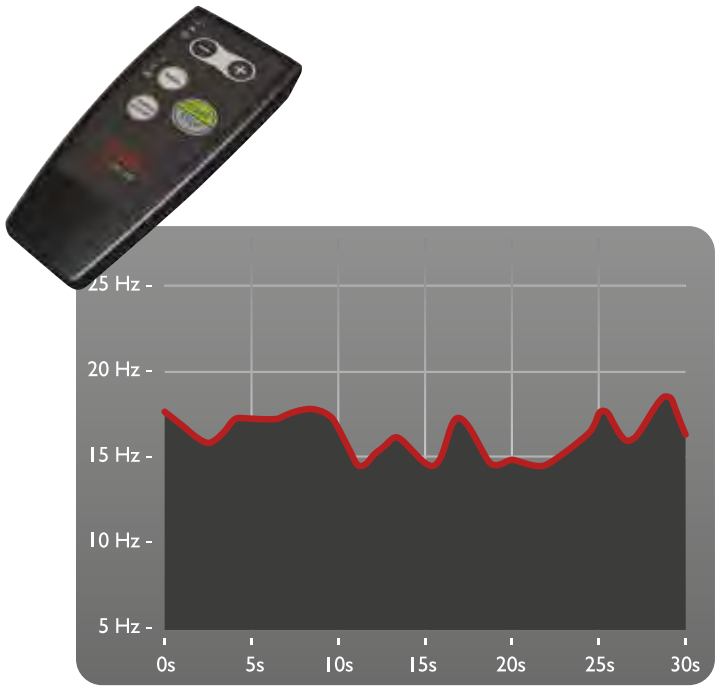
SCOPE OF DELIVERY AND SPECIFICATIONS

WOBBEL REMOTE CONTROL TO ACTIVATE THE WOBBEL FUNCTION

- → With buttons for start/stop, frequency +/-, control of Wobbel mode
- → Dimensions: 150 x 65 x 30 mm
- → Weight: 150 g
- → Including practical hanging strap
- → Batteries included and easy to replace

FUNCTIONS

- → Selection of difficulty level from easy, medium or difficult
- → Intuitive operation with five buttons
- → Retrofit possible on request
- → Setting of the training time



Wobbel remote control, random frequency changes

CONTROLLED TRAINING WITH GALILEO® SMART COACHING

- → Galileo Therapy even more efficient and safer
- → Automatic frequency adjustment according to individual ability
- → Reduced loudness of device, even with intensive use
- → 5 sensitivity levels for effective use



Triggered
Galileo Smart Coaching function on Galileo Med L

SC

GALILEO® SMART COACHING

AUTOMATIC FREQUENCY ADJUSTMENT WHEN THE FOOT POSITION IS TOO WIDE OR THE BODY POSTURE TOO STIFF

GALILEO® THERAPY BECOMES EVEN MORE EFFICIENT AND SAFER.

The position of the feet on the Galileo device is of fundamental importance for effective therapy.

During the application the Galileo Smart Coaching sensor continuously checks whether the user has selected the right foot position depending on the set frequency and posture. If the distance between the feet is too large, an unstable position may result. In this case the user cannot hold the foot position and the feet may slip away. The loudness of the device is considerably increased and in extreme cases the entire device may start to move. In this case, the user is not able to follow the downward movement of the plate adequately. There is a corresponding short relief up to the momentary lifting of the foot, leading to the described phenomena.

AUTOMATIC FREQUENCY REDUCTION.

Galileo Smart Coaching can detect a discrepancy between foot position and selected frequency. The frequency is then automatically reduced so that the user can be guided to an effective application. The device only returns to the originally set frequency after the user has corrected his position or posture.

The representation of the Galileo Smart Coaching function for the user depends on the respective device.

SCOPE OF FUNCTIONS

Commissioning and set-up

- → The Galileo Smart Coaching function can be activated via the respective controls.
- → The Galileo Smart Coaching function has five sensitivity levels.

Sensitivity levels

Level SCI: the most sensitive level
Level SC5: the least sensitive level

A less sensitive setting for the Galileo Smart Coaching function enables a more intensive training exercise, but at the same time this can lead to higher loudness during the exercise.

GALILEO® SMART SENSE

FORCE SENSORS CAN DETECT ASYMMETRY

MULTIFUNCTIONALITY FOR MORE EFFICIENCY, CONTROL AND SECURITY.

Galileo Sensor devices have an additional integrated measuring function. By means of 4 force sensors additionally acting forces and an asymmetry of the body position during the Galileo application are measured and displayed graphically.

SCOPE OF FUNCTIONS

4 FORCE SENSORS WITH INTEGRATED MEASURING FUNCTION

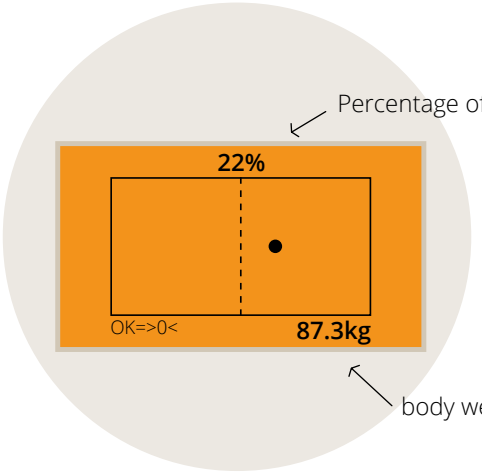
- → Asymmetry of body position
- → Graphical representation of additional forces
- → Measurement of body weight
- → Bio Feedback





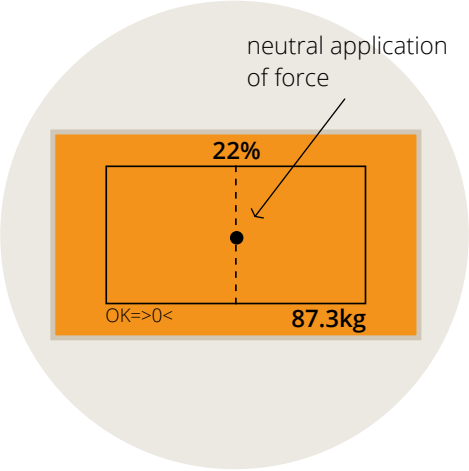
Galileo Med L Sensor with PT

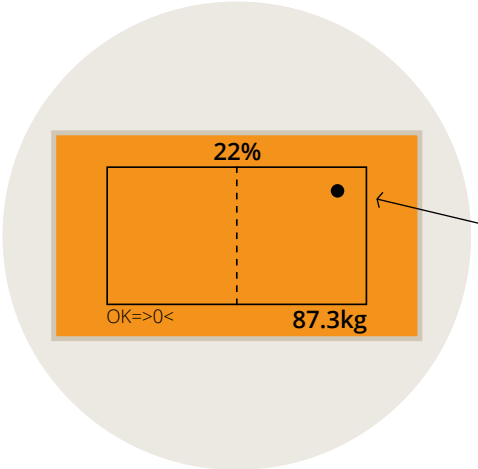
GALILEO® SMART SENSE
OVER 4 INTEGRATED FORCE SENSORS



The Smart Sense function measures the detected additional forces, as a result of the vibration and the corresponding posture. Values are displayed in relation to the body weight.

In addition, the detected position of the center of gravity is displayed. For asymmetric foot position an asymmetric loading of the left and the right leg can be detected.This way the user can recognize asymmetrical postures and correct them.





Example:
unilateral
application of force
right leg / forefoot

The Galileo sensor technology helps to monitor the correct application.
Without the need at additional staff the patient has an automatic technical tool for the correct and thus effective execution of the exercises.

FUNCTION AVAILABLE AT

- → Galileo Med L Sensor
- → Galileo Med Fit Sensor
- → Galileo Med Fit Extreme Sensor

GALILEO® CHIP CARD

STAND-ALONE SYSTEM FOR INDIVIDUAL USE

WIN-WIN SITUATION FOR PATIENTS AND OPERATORS.

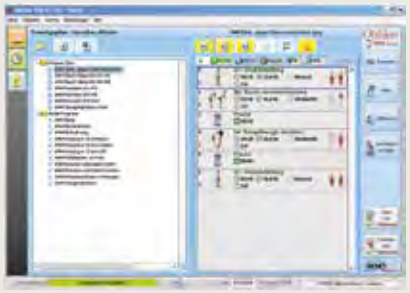
The Galileo chip version, together with the included Galileo Therapy Plan Manager, offers the ability to easily create time accounts and custom user profiles.

A wide range of exercises are availbble for the patient and can even can be tailored to and his needs best. Due to the possible access control and ready-made therapy plans, required personell time can be greatly reduced. The individual customer programs are stored on the chip card.

The Galileo Therapy Plan Manager is included in the chip card option. After installation on your PC, you will be able to create and edit individual therapy plans for your patients. More information can be found on the following pages.







SCOPE OF DELIVERY

GALILEO® CHIP CARD

- → Chip card reader
- → Software TPM Therapy Plan Manager
- → Operator Manual TPM
- → 30 chip cards



Example Galileo Med Fit Extreme – chip version



Galileo Med Fit with RFID

GALILEO® RFID

USE OVER NETWORK - USAGE INTO EXISTING RFID TOKENS POSSIBLE

GALILEO® RFID – AVAILABLE AS AN OPTION.

The RFID function can be used instead of the chip card function. It uses a network connection between the Galileo PT device and a local database server - e.g. the counter computer on which Galileo TPM was installed.

Instead of the chip card, e.g. RFID wrist bands can be used to log in the customer. As with the use of Galileo chip cards, training or therapy plans, time accounts and daily or weekly time quotas can be assigned to the customer. Galileo RFID modules support the RFID standards Mifare Classic and Legic. Only the unique ID of the RFID Token is used to access the customer therapy plan within the database. No data is stored on the RFID wristband.

This way existing RFID wristbands or cards of other providers can be used for Galileo RFID devices easily. At the same time, information about the actually performed training times can be utilized in the network to optimize an even more effective training plan for the individual user.

REQUIREMENT

- → Network access for Galileo Med PT
- → Central database server (e.g., counter computer)
- → Supported RFID standards: Mifare Classic or Legic

SCOPE OF DELIVERY

- → Galileo RFID reader
- → Software TPM Therapy Plan Manager
- → Operator Manual TPM

GALILEO® TPM THERAPY PLAN MANAGER

SCALABLE THERAPY PLAN MANAGEMENT

CREATE AND MANAGE THERAPY PLANS.

Use Galileo TPM to quickly, easily and intuitively create and manage therapy plans for Galileo. You can choose the supplied therapy plans or create your own individual therapy plan.

FUNCTIONAL SCOPE

THERAPY PLAN DESIGN

→ Galileo TPM supports you comfortably in creating your own therapy plans. First, simply define the desired therapy goal and intensity level and then make your selection from a list of suggested exercises. The therapy plan editor shows you a preview image for each exercise and suggests suitable parameters depending on the selected therapy goal and intensity level. You can adjust these parameters as required.

SMART CARD CREATION

→ Use Galileo TPM to create smart cards for all Galileo models with the latest chip option. This enables easy access control and time billing. In addition, you can also specify parameters or the entire therapy program.

SCALABLE THERAPY PLAN MANAGEMENT

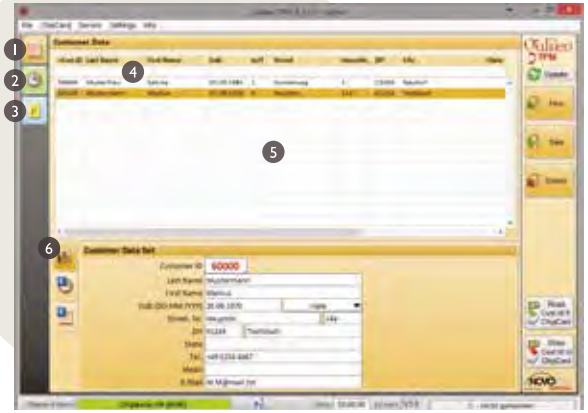
→ There are exercise illustrations, short instructions and the specified parameters for each exercise. In the simplest case, you design therapy plans for your customers and print them out. When you create smart cards with Galileo TPM, the respective exercise number is displayed on the control panel of the device, which can also be found in the Galileo Training manual as well as on the Galileo exercise banners and posters.

CUSTOMER ADMINISTRATION

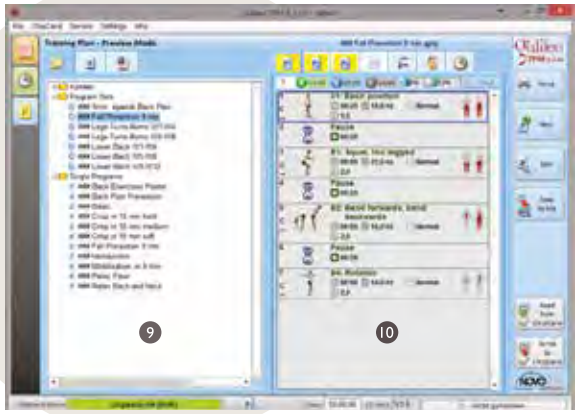
→ Galileo TPM contains a database for patient administration: In addition to the contact data, you can also view the customer's history there. Each time information is written to the chip card, the change to the time account is logged and displayed. In this way, you always have an overview of the history of each patient.

Device class	All Galileo® Therapy devices	Galileo® Therapy devices with chip option	Galileo® Therapy devices with chip/RFID option and PT
Manage and print therapy plans (manual input of therapy parameters on Galileo device required).	✔	✔	✔
Access control via chip card.		✔	✔
Save therapy programs on chip card (therapy parameters are set automatically on Galileo device and exercise number is displayed on the control panel).		✔	✔
Visualize all exercises in real time.			✔

The available functions depend on the device type







Screen: patient data (above), time account and therapy plan - preview mode (below)

THE INTERFACE

PROGRAM PARTS

1. Patient
2. Time account
3. Therapy plan – preview mode screen

CUSTOMER DATA SCREEN

4. Search mask
5. List view of customer data
6. Patient address data screen

TIME ACCOUNT SCREEN

7. Card type with and without time account
8. Time credit

THERAPY PLAN PREVIEW MODE SCREEN

9. Available therapy plans and therapy plan sets
10. Therapy plan preview

PRODUCT OVERVIEW

All Galileo devices are developed, manufactured and sold worldwide by us in Germany together with our partners. The quality of our medical and training equipment is monitored by a TÜV-certified quality management system for medical devices in accordance with ISO 13485.



Standing devices	Galileo® Med 15	Galileo® Med 35	Galileo® Med 40 Plus	Galileo® Med 40	Galileo® Med L	Galileo® Med L Sensor
Classification	**Professional**	**Professional**	**Professional**	**Professional**	**Professional**	**Professional**
Medical product	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Certificate	CE0123	CE0123	CE0123	CE0123	CE0123	CE0123
Holding possibility	No	Optional	Yes	Yes	Yes	Yes
Ext. control panel	No	No	Yes (on hand rail)	Yes (with separate stand)	Yes (with separate stand)	Yes (with separate stand)
Intern. control panel	Yes	Yes	No	No	Yes	Yes
Remote control	Yes	Yes	No	No	Yes	Optional
Frequency (from/to)	**8..27 Hz**	**5..33 Hz**	**5..33 Hz**	**5..33 Hz**	**5..36 Hz**	**5..36 Hz**
Amplitude (from/to)	**0..+/-3.5 mm**	**0..+/-4.7 mm**	**0..+/-4.7 mm**	**0..+/-4.7 mm**	**0..+/-5.2 mm**	**0..+/-5.2 mm**
Max. acceleration	**10.3 g**	**20.6 g**	**20.6 g**	**20.6 g**	**27.1 g**	**27.1 g**
Stroke	7 mm	9.4 mm	9.4 mm	9.4 mm	10.4 mm	10.4 mm
Footplate (l/w)	412 x 258 mm	547 x 349 mm	547 x 349 mm	547 x 349 mm	580 x 370 mm	580 x 370 mm
Total weight	12.8 kg	34 kg	52 kg	46 kg	56 kg	58 kg
Dimensions (l/w/h)	524 x 340 x 100 mm	683 x 490 x 131 mm	730 x 790 x 1200 mm	683 x 490 x 1051 mm	875 x 710 x 1200 mm	875 x 710 x 1200 mm
Max. load	50 kg	140 kg	140 kg	140 kg	200 kg	200 kg
Silent	**No**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Wobbel function	**Yes**	**Yes**	**No**	**No**	**Yes**	**Yes**
Smart Coaching	**No**	**Yes**	**No**	**No**	**Yes**	**Yes**
Smart Sense	**No**	**No**	**No**	**No**	**No** (Optional for Med L Chip)	**Yes**
Chip Card/TPM	**No**	**No**	**No**	**No**	**Optional**	**Yes**
RFID (Requirement PT)	**No**	**No**	**No**	**No**	**Optional**	**Optional**
Med PT (Personal Training)	**No**	**No**	**No**	**No**	**Optional**	**Optional**
Options	Galileo Mano Med 20/20L (optional)	hand rail (optional)	TPM	hand rail (optional), TPM		

ACCESSORIES INCLUDED WITH ALL DEVICES

- → Power cable and operating manual
- → Therapy poster with basic Galileo exercises
- → Training manual






Standing devices	Galileo® Med Fit	Galileo® Med Fit Sensor	Galileo® Med Fit Extreme	Galileo® Med Fit Extreme Sensor
Classification	**Professional**	**Professional**	**Professional**	**Professional**
Medical product	**Yes**	**Yes**	**Yes**	**Yes**
Certificate	CE0123	CE0123	CE0123	CE0123
Holding possibility	Yes	Yes	Yes	Yes
Ext. control panel	Yes (on hand rail)	Yes (on hand rail)	Yes (on hand rail)	Yes (on hand rail)
Intern. control panel	Yes	Yes	Yes	Yes
Remote control	Optional	Optional	Optional	Optional
Frequency (from/to)	**5..36 Hz**	**5..36 Hz**	**5..36 Hz**	**5..36 Hz**
Amplitude (from/to)	**0..+/-5.2 mm**	**0..+/-5.2 mm**	**0..+/-5.2 mm**	**0..+/-5.2 mm**
Max. acceleration	**27.1 g**	**27.1 g**	**27.1 g**	**27.1 g**
Stroke	10.4 mm	10.4 mm	10.4 mm	10.4 mm
Footplate (l/w)	580 x 370 mm	580 x 370 mm	580 x 370 mm	580 x 370 mm
Total weight	64 kg	65 kg	70 kg	71 kg
Dimensions (l/w/h)	780 x 880 x 1300 mm	780 x 880 x 1300 mm	780 x 880 x 1300 mm	875 x 710 x 1200 mm
Max. load	200 kg	200 kg	200 kg	200 kg
Silent	**Yes**	**Yes**	**Yes**	**Yes**
Wobbel function	**Yes**	**Yes**	**Yes**	**Yes**
Smart Coaching	**Yes**	**Yes**	**Yes**	**Yes**
Smart Sense	**No**	**Yes**	**No**	**Yes**
Chip Card/TPM	**Optional**	**Yes**	**Yes**	**Yes**
RFID (Requirement PT)	**Optional**	**Optional**	**Optional**	**Optional**
Med PT (Personal Training)	**Optional**	**Optional**	**Optional**	**Optional**
Options				



Standing device	Galileo® Med PT (Personal Trainer)
Classification	**Professional**
Medical product	**Yes**
Certificate	CE0123
Dimensions (l/w/h)	400 x 500 x 1380 mm
Total weight	21 kg
Operating control	Operating unit Standing unit
Display size	68 cm (27")
Available for	Med L, Med L Sensor, Med Fit, Med Fit Sensor, Med Fit Extreme, Med Fit Extreme Sensor (Requirement Chip function)

ACCESSORIES INCLUDED WITH ALL DEVICES

- → Power cable and operating manual
- → Therapy poster with basic Galileo exercises
- → Training manual

PRODUCT OVERVIEW

All Galileo units come with power cord and user manual. The therapy posters included in the delivery show you basic Galileo exercises; The training manual offers a wide range of exercises adapted to your needs.







Galileo® Delta A/C
incl. Galileo® Med 25 TT





Galileo® Delta Mini
incl. Galileo® Med 15 TT



Sitting device	Galileo® Med Chair
Classification	**Professional**
Medical product	**Yes**
Certificate	CE0123
Holding possibility	**Yes**
Ext. control panel	**No**
Intern. control panel	**Yes**
Remote control	**Yes**
Frequency (from/to)	**2..20 Hz**
Amplitude (from/to)	**0..+/-6.0 mm**
Max. acceleration	**9.6 g**
Stroke	12.0 mm
Seat (l/w)	480 x 320 mm
Total weight	28 kg
Dimensions (l/w/h)	670 x 400 x 520 mm
Max. load	150 kg
Silent	**No**
Wobbel function	**Yes**
Smart Coaching	**No**
Smart Sense	**No**
Options	

Lying and sitting device	Galileo® Delta A	Galileo® Delta C	Galileo® Med 25 TT
Classification	**Professional**	**Professional**	**Professional**
Medical product	**Yes**	**Yes**	**Yes**
Certificate	CE0123	CE0123	CE0123
Holding possibility	–	–	Optional
Ext. control panel	–	–	No
Intern. control panel	Yes	Yes	Yes
Remote control	Yes	Yes	Yes
Frequency (from/to)	–	–	**5..33 Hz**
Amplitude (from/to)	–	–	**0..+/-3.4 mm**
Max. acceleration	–	–	**14.9 g**
Stroke	–	–	6.8 mm
Lying-/stepping surface (l/w)	1900 x 670 mm	1500 x 670 mm	547 x 349 mm (tread)
Lying height	600 mm	600 mm	
Total weight	115 kg	112 kg	33 kg
Dimensions (l/w/h)	2290 x 720 x 1025 mm	1910 x 720 x 1025 mm	682 x 490 x 131 mm
Max. load	120 kg	120 kg	120 kg
Silent			**Yes**
Wobbel function			**Yes**
Smart Coaching			**Yes (with single purchase)**
Options			Hand rail

Galileo® Delta Mini	Galileo® Med 15 TT
Professional	**Professional**
Yes	**Yes**
CE0123	CE0123
–	Optional
–	No
Yes	Yes
Yes	Yes
–	**5..27 Hz**
–	**0..+/-3.5 mm**
–	**10.3 g**
–	7 mm
1250 x 450 mm	412 x 258 mm (tread)
590 mm	
28.5 kg	12.8 kg
1435 x 450 x 890 mm	524 x 340 x 100 mm
45 kg	50 kg
	No
	No
	No
	Galileo Mano Med 20/20 L (optional)

ACCESSORIES INCLUDED WITH ALL DEVICES:

- → Power cable and operating manual
- → Therapy poster with basic Galileo exercises
- → Training manual





Dumbbell systems	Galileo® Mano Med 20	Galileo® Mano Med 20 L	Galileo® Mano Med 30
Classification	**Professional**	**Professional**	**Professional**
Medical product	**Yes**	**Yes**	**Yes**
Certificate	CE0123	CE0123	CE0123
Frequency (from/to)	**5..40 Hz**	**5..40 Hz**	**5..40 Hz**
Amplitude (from/to)	**2.5 mm (fest)**	**0..+/-2.5 mm**	**2 mm**
Max. acceleration	**16.1 g**	**16.1 g**	**12.9 g**
Stroke	5 mm	5 mm	4 mm
Dim. dumbbell (l/w/h)	217 x 151 x 46 mm	317 x 151 x 46 mm	280 x 200 x 60 mm
Dim. control panel (l/w/h)	250 x 160 x 80 mm	250 x 160 x 80 mm	250 x 160 x 80 mm
Weight of dumbbell	1.1 kg	1.4 kg	2.6 kg
Weight of control panel	1.9 kg	1.9 kg	1.9 kg
Max. additional weight	–	–	5 kg
Control panel	Solid plastic housing and multi voltage power supply for input voltages of 100 - 240 V AC	Solid plastic housing and multi voltage power supply for input voltages of 100 - 240 V AC	Solid plastic housing and multi voltage power supply for input voltages of 100 - 240 V AC
Wobbel function	**Yes (integrated)**	**Yes (integrated)**	**Yes (integrated)**
Options	2. dumbbell, footswitch, remote control for control panel, Wobbel remote control	2. dumbbell, footswitch, remote control for control panel, Wobbel remote control	2. dumbbell, footswitch, remote control for control panel, Wobbel remote control, weight disks with clips

ACCESSORIES INCLUDED WITH ALL DEVICES:

→ Power cable and operating manual

CONTRAINDICATIONS

→ Pregnancy
→ Acute thrombosis (acute vascular occlusion)
→ Artificial joints in stimulated body regions
→ Acute inflammation of the locomotor system, activated arthrosis or arthropathy (e.g. acute inflammation and swelling in joints)
→ Acute tendinopathies in stimulated body regions (acute tendinitis)
→ Acute hernia
→ Acute discopathy (acute intervertebral disc-related back problem)
→ Fresh fractures (bone fractures) in stimulated body regions
→ Gallstones, nephrolithiasis or vesicle calculus
→ Recent operations, fresh wounds and scars in the stimulated regions of the body or if wound healing has not yet been completed.
→ Rheumatoid arthritis
→ Epilepsy due to secondary risk of injury

THE IMPORTANCE OF INDIVIDUAL TERMS

CLASSIFICATION

→ It does not always have to be the most expensive device. Depending on your therapy concept, you can choose between a small, compact model, a model with extended functionality or the Galileo high-end solution for professional use.

MEDICAL DEVICE

→ In the case of therapy devices with medical device approval, due to their design, safety-re-lated requirements must be observed. Compliance with these requirements is relevant for indication-related use and is prescribed by law.

FREQUENCY

→ General principle: a wider frequency range enables a more extensive range of application possibilities.

AMPLITUDE

→ Please note: a higher amplitude increases the maximum attainable training intensity.

FROM SPACE RESEARCH IMPLEMENTED DIRECTLY IN THERAPY

A SUCCESS STORY IN SPACE TRAVEL



An extract from our project list:

2003–2005 and 2007–2009

Berliner BedRest study 1 u. II (BBR1/ BBRII)*

Centre for muscles and bones (ZMK), Berliner Charité

The immense advantages of Galileo for long-term astronauts are illustrated by the results of the first study which shows that Galileo could almost totally prevent the deterioration of muscles and bones of "terrestrial astronauts". In the second study, the training method was further improved: 15 minutes per week of high intensity training (HIT) on Galileo is sufficient.

2006–2009

Parabolic flight campaigns (nos. 8., 14. und 15.)

At the German aerospace centre (DLR)

In the eighth campaign of the German aerospace centre the technical feasibility of Galileo for future missions to Mars was verified. In the fourteenth campaign the research group concentrated on the adjustment of the nervous system to side-alternating whole body vibrations with Galileo under a lack of gravity.

2010–2011

Mars 500 mission

Russian space agency Roskosmos
European Space Agency (ESA)
German aerospace centre (DLR)

Galileo was on board with the Mars 500 mission. The experiment of the Russian space agency Roskosmos, the European space agency and the German aerospace centre simulated a manned flight to Mars with duration of 520 days and apart from the lack of weightlessness took place under real space conditions. The project was successfully concluded in November 2011.

2012–2015

Toulouse BedRest study**

Institut de Médecine et de Physiologie Spatiales (MEDES-IMPS)

The BedRest study of the European space agency in Toulouse lasting 60 days examined the additional influence of training with a co-ordinated diet. The training used was similar to that used with the BBR studies with a variation of the
Galileo HIT. Galileo Training is therefore a reference method at the European space agency for effective astronaut training..

TECHNOLOGY OF GALILEO® HAS ALREADY BEEN REPEATEDLY USED IN SPACE STUDIES* TO MAINTAIN BONES AND MUSCLES

It is an old dream of mankind to overcome the laws of gravity and become weightless. But in practice this can lead to serious problems. Without the effect of gravity on the body the bones and muscles in humans deteriorate. We have participated in research on this problem for over ten years to look for solutions which can be used for example with the ISS international space station or on a trip to Mars. And our technology has long been in use on earth: It is used in the area of sport for regeneration after training and competitions, in connection with health promotion in companies and also by doctors and therapists, for example, to help patients who are no longer able to engage in a muscle training program.

*) See page 55 [2] and [3] for list of literature.

**) See page 55 [4] for list of literature.

STAY HEALTHY AND FIT WITH GALILEO® THERAPY

COMPETITIVE SPORTS

After training or a participation in competitive sports, Galileo is used to improve mobility or increase performance and for a quicker return to the sport after a break.

ELISABETH BRANDAU

Team manager at notebooksbilliger.de team
German marathon champion 2012
German vice champion in cross country running 2012

CYCLING TEAM HTC - HIGHROAD

Medical care: Dr. Helge Riepenhof

Galileo Therapy in cycle sports (MTB, marathon, cross country) used for preparation before competitions.

HEALTH PROMOTION

Galileo Therapy can be used in the context of workplace health promotion to prevent work-related restrictions of physical performance.

Only an employee without any physical complaints can perform well. According to the federal German institute for occupational safety and health, however, today already almost 25% of those unable to work are not able to do so due to musculoskeletal disorders. Galileo Therapy can easily be integrated into your working day. An individually tailored program with only 5 to 10 minutes of training two or three times a week can be used to relax and strengthen the back and leg muscles, to release tension and prevent or correct muscular imbalances caused by incorrect posture.

We are happy to inform you in detail about the application possibilities with Galileo Therapy in the field of workplace health promotion. Please contact us.

MEDICINE AND PHYSIOTHERAPY

Galileo Therapy is used by many doctors and physiotherapists to help patients who are no longer able to engage in a muscle training program.

UNIREHA GMBH, UNIKLINIK COLOGNE

Medical director: Prof. Dr. E. Schönau

"On your feet" – Interdisciplinary treatment concept
Content: stationary training and training in a home environment
Targets: improvement of motor skills and ability to stand and walk
Duration: 1 year, 8 phases
Galileo Therapy for children and young people with musculoskeletal disorders.

LITERATURE

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Further studies carried out with Galileo devices are available at: www.galileo-therapy.com/lit

5 MIN



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Galileo® Therapy



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