Operating instructions

Medical device

Callis motion sprint 900 SE/SL med

emotion FITNESS

Reha-Stim Medtec GmbH

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CE 0123

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1. General introduction

1. 1 Information on the operating instructions

The operating instructions contain all the necessary information to enable safe and efficient operation of the Callis motion sprint 900 SE/SL med treadmill.

The instructions are aimed at medical and therapeutic professionals. Practical knowledge of medical procedures and applications as well as knowledge of the specialist terminology required to carry out this therapy are expected and assumed by the specialist staff.

The physicians and therapists responsible for the Callis motion sprint 900 SE/SL med treadmill and who have been properly trained are obliged to ensure that technicians, patients and other persons in the vicinity of the device fully comply with the safety precautions specified in the operating instructions.

The instructions describe the operation and maintenance of the Callis motion sprint 900 SE/SL med treadmill. Compliance with the specified safety instructions and handling instructions is a prerequisite for safe and proper operation of the system.

The operating instructions are an integral part of the system and must be kept in the immediate vicinity and accessible to personnel at all times.

All illustrations, photos, diagrams, screenshots and drawings are symbolic and may differ from the actual appearance .

In addition to the instructions in this manual, the local accident prevention regulations and the national health and safety regulations apply.

For the sake of simplicity, the term Reha-Stim Medtec is used below. However, this refers to Reha-Stim Medtec GmbH, Brunsbütteler Damm 456, 13591 Berlin.

1.2 Description of the product

Note: The motion sprint 900 SE/SL med devices are medical devices (MD) in accordance with the MDR 2017/745 regulation.
Modifications to the MP are not permitted!
The MP is designed for a service life of eight years.

The motion sprint 900 SE/SL med stands for safety and quality. The lamella technology with rubber overlay ensures optimum cushioning of impact forces and promotes joint-friendly running.

The naming of the two models is based on the presence of an incline. I.e.: SL→ with incline; SE→ without incline. The basic design with all safety and ergonomic aspects remains unaffected by this.

The motion sprint 900 SE/SL med treadmills are motorised slat treadmills for gait training or medical rehabilitation training for patients. The applied

Slat technology with rubber overlay ensures optimum cushioning of impact forces and promotes joint-friendly walking and running. The model variants differ only in the special options that are required in the individual areas of application, e.g. railing variants or weight relief or fall protection. The basic design with all safety and ergonomic aspects remains unaffected by this.

1.3 General safety instructions

Read these operating instructions with all safety instructions and warnings carefully **before using** the treadmills **for the first time** (hereinafter referred to as LB) in order to ensure safe and intended use. Keep this document for future reference and pass it on if you pass on the device.

Only use Reha-Stim Medtec GmbH components, otherwise no liability will be accepted. Visually inspect the device before each use and listen for atypical noises. The tread surface of the frame can provide a safe resting area with the railing in an emergency or if otherwise required.
If the LB does not react as intended, the following options are available to control the situation.

1. Pull the ripcord or press the "emergency stop" button
2. Grasp the railing, take the weight off your body, place your feet on the step surface and step off the belt
3. Pull out the plug (by an external person)

In the event of any fault symptoms, leave the appliance. The fault should be recorded and reported to the manufacturer/service centre. No objects may be transported with the LB. Ambient conditions must be observed (chapter 3). Moving or rolling objects that could get under the belt must be removed from the immediate vicinity of the appliance. Damage that could impair the function or cause injury must be repaired. Otherwise no liability will be accepted. Ensure there is sufficient clearance around the LB. (Chapter 4.1) The mains plug must be disconnected before carrying out any work on the LB, even if the appliance is to be moved. The length of the mains cable of 3 metres must not be changed. The appliance must not be serviced during use. In accordance with EU Directive 2002/96/EU on waste electrical and electronic equipment, the business customer is responsible for the disposal of the appliance. The LB is designed for a service life of 8 years. To protect the environment, comply with DIRECTIVE 2008/98/EC!

EMERGENCY STOP SYSTEM

There is an emergency stop push button on every treadmill. This can be found either on the display or on one side handrail in combination with another on the opposite side handrail. (Chapter 6)

Requirements from standards:
Interference from electromagnetic fields can cause the LB to come to a standstill. (Standstill = basic safety) The emergency stop also leads to a standstill.
Warning: Use of this appliance adjacent to or stacked with other appliances should be avoided as it may result in improper operation. However, if use in the manner described above is necessary, this appliance and the other appliances should be observed to verify that they are operating normally.
Warning: The use of components, transducers and cables other than those specified or provided by the manufacturer of this device may result in increased electromagnetic emissions or decreased electromagnetic immunity of the device and result in improper operation.
Warning: Portable RF communications equipment should be used no closer than 30cm to any part or line of the ME device/system specified by the manufacturer. Failure to do so may result in reduced performance of the device.
Warning: To avoid the risk of electric shock, this appliance may only be connected to a supply network with a protective earth conductor.
Warning; Modification of the ME device is not permitted. It must not be modified without the manufacturer's authorisation. If the ME device is modified, suitable inspections and tests must be carried out to ensure continued safe use.
Warning: Electromagnetic interference may affect/radiate the LB and should not be used near, adjacent to or overlapping with the medical device. If such positioning is necessary, special precautions must be taken to ensure that the electromedical device operates correctly according to its intended use configuration (for example, by ensuring the absence of anomalies and disturbances through constant monitoring).

2. Technical description of the treadmill

2.1 Intended use

Medical motion sprint 900 SE/SL med treadmills are used for defined training of patients by walking or running on level ground or on an incline for gait training or medical rehabilitation training.

2.2 Intended use

This engages large muscle groups, primarily the lower extremities and the stabilising core muscles. The muscles of the upper extremities are also used. The cardio-pulmonary system is activated to supply the large muscle mass.

The load on the body depends on the speed and the incline of the running surface, which in the motion sprint 900 SE/SL med consists of lamellae and contributes to joint-friendly training thanks to the lamella technology. The defined load can also be used as the basis for stress tests, e.g. for exercise ECG or spirometry. The additional measurement technology required for this is not part of the device (see also Clinical evaluation).

The "stationary" position of the patient in the room makes it easy to provide assistance. The use in closed rooms minimises the climatic side effects that can influence physiological measurements. Handrails allow the patient to stabilise themselves in a similar way to a walking stick. Optionally, a patient suspension with a body weight support system and a belt can be used. This enables training with partial weight-bearing - weight relief or fall protection - gait training.

2.3 Intended patient group and users

The MP is not tailored to a specific user group; it can be used by younger and older people as well as people with special needs and children for walking and running.
For proper use of the MP, people with special needs and/or children require 1:1 support.
The MP is designed for use by one person only. Simultaneous use by more than one person is prohibited.
The maximum standard load is 250kg, which can be increased to 318kg depending on the model.
The settings required to change the speed and incline are made manually or programme-controlled via the associated terminal. Individualised heart rate training is possible with the aid of a Polar chest strap (receiver included). If the heart rate set by the user is exceeded, the speed is reduced.

Intended users of medical treadmills
- Only medical personnel who have been trained in accordance with these instructions for use
- working according to a doctor's prescription, if applicable and necessary - the subject is not the intended operator.

The MP may only be used under the supervision of authorised specialist personnel or after instruction by appropriate personnel. The intended user is authorised to allow the patient to operate the device in accordance with the instructions and under the constant supervision of the intended operator. This means that the intended user is responsible for the operation of the device at all times, taking into account the physical and mental condition of the patient. The designated operator must be within constant reach.
Before starting training, make sure that any adjustable parts of the respective training device are fully locked and do not protrude into the range of motion.

The same indications and contraindications apply for therapy on motion sprint 900 SE/SL med treadmills as for manual therapy. The final decision lies in the hands of a doctor or therapist.

2.4 Indications and contraindications - Prohibited uses

Inclusion criteria:
The use of motion sprint 900 SE/SL med medical treadmills is controlled by medical personnel.
Typical, but not strict, inclusion criteria are
- The patient must be able to stand independently or with the support of a body weight support system
- The patient must wear suitable shoes
- The patient must be able to move their legs to the extent determined by the medical staff.

Intended duration / criteria for the training stop for medical treadmills
- Depending on the doctor's prescription, typically less than 60 minutes per training session
- WARNING: Heart rate monitoring systems can be inaccurate.
- Incorrect or excessive training can lead to serious injury or death.

- If you feel weak or dizzy, stop exercising immediately and consult a doctor.
- Further criteria for cancelling exercise tests can be found in the guidelines for various treadmill exercises and treadmill tests.

Contraindications for medical treadmills
Absolute contraindications (must be ruled out before using the treadmill)
- Acute myocardial infarction (within 2 days)
- Unstable angina pectoris
- Pathology of cardiac arrhythmia and/or impaired haemodynamics

- Symptomatic massive aortic stenosis
- Uncompensated/uncontrolled heart failure
- Acute pulmonary embolism or pulmonary infarction
- Acute endocarditis, myocarditis, pericarditis
- Acute aortic dissection - Acute coronary syndrome
- Acute phlebothrombosis of the lower extremities
- Febrile infections - Pregnancy - Acute thrombosis
- Fresh wounds, e.g. after operations - Acute fractures
- Intervertebral disc damage or traumatic diseases of the spine
- Epilepsy
- Inflammations
- Acute migraine
- uncontrolled heart failure
- Dissecting aneurysm
- recent aortic surgery and ECG abnormalities

Relative contraindications
(Use may be started if the potential benefits outweigh the risks. The decision must be made by the doctor before the treadmill is used)
- Coronary stenosis of the left aorta - Disease of the aorta
- Heart valve disease of moderate severity
- Known electrolyte imbalance - Arterial hypertension (RR > 200 mm Hg syst. > 110 mm Hg diast.)
- Tachyarrhythmia or bradyarrhythmia
- Hypertrophic cardiomyopathy and other forms of obstruction of the outflow tract
- Atrioventricular AV blockade of higher degree
- Anaemia
- Physical and/or mental disabilities that lead to insufficient physical activity
- Partially invasive medical devices (probes, infusions, catheters, external fixators, etc.)

- Prohibited use
Always observe the following hazard, warning and caution notes to avoid serious injury or death!
- Mandatory fall protection for all applications where a fall could pose an unacceptable risk (high speed or special applications, applications with people who are unable to jump off the treadmill, such as children, physically impaired people, etc.)
- The automatic modes may only be used if prescribed by a doctor.
- A doctor must be available at all times for stress tests.
- Do not use the device with children < 12 months.

- Prevent unsupervised children (< 14 years) from accessing the appliance or parts thereof (including product variants, packaging, lubricants and maintenance materials).
- In the case of use in children (> 1, < 14 years), constant observation of the test person by medical personnel is mandatory.
- Animals must not be in the same room as the appliance.
- Only carefully trained medical personnel may use the device.
- Do not use the seat belt on bare skin.
- WARNING: Heart rate monitoring systems can be inaccurate.
- Incorrect or excessive training can lead to serious injury or death.
- If you feel weak or dizzy, stop exercising immediately and consult a doctor.
- Further criteria for cancelling exercise tests can be found in the guidelines for various treadmill exercises and treadmill tests.
- Overloading or overstraining of the test person must be ruled out.

- The test person must be examined by a doctor before using the device.
- A defibrillator must be available at all times.
- The intended operator must be within reach of at least one emergency stop switch at all times.
- Follow all instructions given in these operating instructions.
- Do not use the appliance for purposes other than those for which it is intended.
- Do not use the device if one or more of the contraindications listed are present.
- In the case of relative contraindications, constant observation of the test person by medical personnel is mandatory.
- Neither the test person nor the operator may be under the influence of alcohol, drugs or narcotics.
- Start using the treadmill by walking slowly, especially for beginners.
- Make sure that the space under the treadmill is clear of people, body parts or objects, especially when switching on (the treadmill lowers during initialisation) and when changing the incline.
- Do not step on the device when the treadmill is rotating.
- Do not stand on the treadmill and do not step on it when the device is in the upward motion.
- Make sure that no objects, sand, stones, liquids, towels, jewellery, mobile phones, containers with liquid etc. can fall into the device or onto the running surface or under the treadmill.
    - Do not turn round, walk sideways or backwards; do not jump on or off the treadmill while it is moving.
    - Do not touch the treadmill while it is moving (except with your feet).
    - Do not lean on the user terminal - do not exert any pressure on the displays - only press the buttons gently.
    - Ensure that aids, product variants, cables etc. do not protrude into the walking area.
    - Do not insert any objects (especially metal objects such as pins or wires) into a gap or socket on the appliance. - Do not touch the object and external electrical devices at the same time.
    - The last command is always executed, regardless of whether it came via the interface or via the user terminal in one of the four modes. Only the stop command has higher priority and cannot be overwritten.

      Please note that electromagnetic interference can trigger a fail-safe mode in which the running belt is stopped with a predefined delay ramp.
    - WARNING: To avoid the risk of electric shock, this appliance must only be connected to a supply mains with protective earth.
    - Free-standing appliances must be set up on a stable and level surface.
    - Choose a suitable floor, shoes, clothing and humidity to avoid electrostatic charging and discharging (see also technical data).
    - Do not use the appliance without instruction by authorised personnel in accordance with the instruction protocol.
    - Observe the safety area behind the device of 2.0 m x width of the treadmill.
    - Operator and test person must pay attention to automatic load changes in profile, cardio and test mode.
    - Unwanted risk of entrapment: Remove ties, scarves or other items of clothing that could become trapped. Secure long hair and ribbons during maintenance and training to prevent them from getting caught in entrapment zones.
    - Carry out a daily visual inspection (see chapter "Maintenance").
    - Observe the maintenance intervals specified in the "Maintenance" chapter.
    - Comply with the responsibilities specified in the "Maintenance" chapter.
    - A second person must be present during maintenance.

- In the event of visible or suspected defects or malfunctions (of the device, product variants, software, etc.), unplug the device, prevent it from being switched on again, label it clearly and inform service personnel by telephone and in writing.
- In the event of visible or suspected signs of wear (on the device, product variants, stickers, etc.), unplug the device, prevent it from being switched on again, label it clearly and inform service personnel by telephone and in writing.
- Labelling must not be changed or removed!
- If liquid enters the appliance, disconnect the mains plug, do not reconnect the appliance, label it clearly and inform customer service by telephone and in writing.
- Do not modify the device, the configurations, any product variants or the software in any way.
- Do not connect any devices or software that are not listed under "Compatible devices".
- Disinfect the device before and after each treatment.
- Disconnect the appliance and all product parts from the power supply before cleaning or disinfecting.

2.5 Expected clinical benefit

The intended use of the treadmill results in several medical conditions relating to the human body. By running on the treadmill, defined loads can be generated for the patient by walking or running. The defined loads train the muscles of the UE, the OE and the stabilising trunk muscles. This involves the whole body, which means that the cardio-pulmonary system is also trained, depending on the intensity of the training, e.g. during endurance training. This basically covers the specialisms of cardiology and pneumology. Another speciality is orthopaedics, which also benefits from movement patterns and possible weight relief and strength training when walking or running at a set incline. Repetitive movement patterns improve gait stability

and internalised, which is of great importance in the field of neurology for several clinical pictures. Typical parameters of improved walking ability are step length, symmetry or step frequency. Additional long-term results include improved mobility, increased muscle strength and endurance, improved coordination, improved metabolism and improved psychosocial aspects.

The improvements in various areas are shown in various rehabilitation guidelines and demonstrate the expected benefits of the device.

2.6 Residual risk

As a rule, the risks do not lie with the device. There is always a residual risk that training or therapy measures for injured, sick or otherwise impaired persons can lead to unforeseeable events.

Despite the greatest care on the part of the therapist, the following side effects can occur in the patient as a result of the higher training intensity:

- Pain or fatigue
- Higher heart rhythm of the patient
- The patient's blood pressure rises or falls significantly
- Risk of pulmonary embolism with pre-existing thrombosis

In all these cases, discontinuation of therapy is recommended. However, they do not represent any health risks that cannot be brought under control immediately by the therapist.
In exceptional cases, the stress may also cause the patient to lose concentration. In these cases, it is up to the therapist to react appropriately and end the therapy.
Other potential residual risks such as injuries, crushing due to moving parts or falls can be considered minimal if used correctly.

The recommendations of the professional associations are all based on a risk-benefit assessment; only treatment methods and devices whose risk-benefit assessment shows that the benefit is significantly higher than the risk are recommended. The effectiveness of the method is also proven by the fact that the rehabilitation measures and measurements carried out with a treadmill, e.g. exercise ECG or spirometry according to the German Social Code, can be charged as a service to the cost bearers. Only services with a proven medical benefit may be invoiced. The residual risk of falling can be further minimised for patients at risk of falling by wearing a safety harness; a fall onto the device can even be safely avoided. The residual risk of overloading is low because, on the one hand, it is possible to exercise with a set pulse, which means that the treadmill automatically minimises the speed if it detects that the pulse is deviating from the set range and, on the other hand, the display cannot really be set incorrectly because the therapist and patient can easily recognise the parameters and correct them at any time.
Serious complications are possible if the patient is intentionally subjected to stress, e.g. during performance diagnostics or exercise ECG, and these must be reduced by means of accompanying measures. These risks are not treadmill-indicated, as the treadmill is a means to an end for an ECG measurement. All other recognised risks are dealt with in the applicable risk management file.
The resulting overview of the most important risks and benefits shows that the benefits of treatment with the device clearly outweigh the risks when used correctly and in accordance with the operating instructions. The risks are all in the low range and are therefore categorised as acceptable.

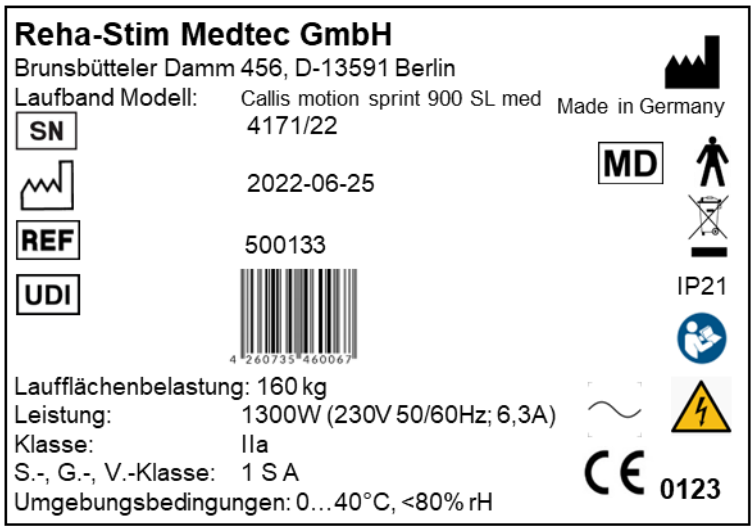
2.7 Accuracy class

The MP CALLIS motion sprint 900 SL/SE belongs to accuracy class A: high accuracy. In the utilisation class, it is assigned to class S. (Studio: professional and/or commercial use) Accuracy class A is achieved in accordance with DIN EN 957-6. The device has complied with the following tolerances: Time ± 1 %; distance ± 5 %; speed ± 5 % up to 2 km/h ± 0.1 km/h. If a gradient is present, this has an accuracy of ± 10 % above 2 % gradient.

2.8 Information on labelling on the outside

2.8.1 Nameplate

The type plate is attached to the left frame on the rear side.



The rating plate contains information in accordance with Regulation MDR 2017/745, in particular all information required to commission and operate the device. (Chapter 2.1.2)

2.8.2 Labelling

2.8.2.1 Safety instructions for pulse systems

The safety instructions for pulse systems are located on the terminal.

Safety instructions in accordance with DIN EN ISO 20957-6

"WARNING - Heart rate monitoring systems can be inaccurate. Excessive training can lead to serious injury or death. If you feel you are about to faint, stop exercising immediately."

The motion sprint 900 SE/SL med devices are equipped with an original POLAR heart rate system, which uses a chest strap to record the signal as standard (the chest strap transmitter is not included in the scope of delivery). The new "auto-pairing" function is a technology that enables the pairing of a compatible POLAR heart rate sensor (e.g. H9 or H10) via a coded 5kHz connection. A stable and virtually interference-free Bluetooth connection is then automatically established with the above-mentioned sensors. Downward compatibility with older 5kHz sensors from POLAR (e.g. T31c) is possible.

is still guaranteed. This technology is based on signal transmission via a magnetic field. This magnetic field can be disturbed by a number of factors. For example, loudspeakers, TVs, power cables, fluorescent tubes and high-power motors can interfere with the transmission. We therefore recommend using original POLAR sensors with the "auto-pairing" function, such as the H10 sensor, to ensure that the heart rate is transmitted with as little interference as possible.

2.8.2.2 Safety instructions for walking on the running surface

First Switch on, then tread enter

Switch on first before entering the running surface

The safety instruction for stepping onto the running surface is located above the switch-on button at the rear right of the LB frame.

For safety reasons, it is necessary to switch on the LB before operation and only then enter the LB. This prevents injuries in the event of a fault.

2.8.2.3 Safety instruction "DO NOT INCLUDE"

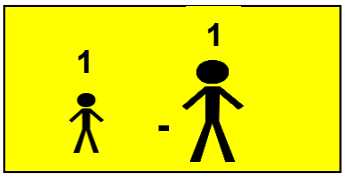
"DO NOT TOUCH"

Do not reach into the slats!

2.8.2.4 Safety instruction "SITTING PROHIBITED"

"SITTING PROHIBITED" Sitting on the underarm supports is prohibited!

2.8.2.5 Safety instruction "SUPERVISION"



"1:1 care is mandatory for children"

As soon as the LB is equipped with child axle supports and/or child HvBv (height and width-adjustable guardrails), this safety notice is also affixed.

2.8.2.6 Command sign

"Follow the instructions for use"

The instructions for use must be read before must be read and followed!

2.8.2.7 Serial number (beat numbers)

The serial or device number of the LB is located below the switch-on button, stamped on the rear right frame. It consists of a 6-digit number. The appliance number can also be read on the rating plate and is identical to this.

2.8.2.8 Disconnection from the supply network

The safety notice is located below the switch-on button, on the rear right frame.

Pull out the mains plug before

The note "Pull out the mains plug before opening" is intended to inform service personnel during installation or maintenance work to de-energise the appliance so that no live components are touched and no electric shock can result for the service personnel.

2.8.2.9 Reverse operation (reversing the running direction)

The safety notice is located on the terminal if reverse operation is available.

Reverse mode is intended for running backwards on the treadmill so that you can always keep an eye on the treadmill parameters. Only with HzP (personal safety support) is it possible to simulate uphill running with the incline set.

2.8.2.10 General symbols

Type B applied part, protection class 1

3. ambient conditions, transport, storage

Humidity: < 80%; Temperature range: 0/40°C; Storage temperature: 0/40°C (protect from strong temperature fluctuations // When using in a cold environment, allow the appliance to warm up slowly (risk of breakage of all plastics)). The appliance should not be exposed to direct sunlight! The mains plug and socket must be accessible at all times so that the LB can be disconnected from the mains immediately. The mains plug must be disconnected before carrying out any work on the LB, even if the appliance is to be moved.

4. commissioning / installation

4.1 Installation site

Observe the ambient conditions. (Chapter 3). Place the appliance on a firm, level, non-slip and vibration-free surface. Ensure that the appliances are not placed on thick "rubber mats". There must be sufficient free space under the LB to allow the running surface to swing. A safety area of at least 2,000 mm in length and width must be provided. There must be no foreign objects in the entire safety area. If the device has the reverse option, the same safety area must also be maintained in front of the LB.
Make sure that there is no electromagnetic radiation that could affect the pulse measurement.

4.2 First commissioning

Observe the ambient conditions. (Chapter 3) The LB must be acclimatised for several hours before initial operation. The LB is connected to the mains (220 - 230V) via the mains cable. Only use a socket with the appropriate voltage for the electrical connection. The socket must be protected by a slow-blow fuse (16 A). The maximum internal resistance of the mains supply is 2Ω (calculated from max. 40 V voltage drop at max. inrush current of 20 A). No live cables, plugs or sockets may be laid directly under the LB. Ensure that (if included in the scope of delivery) the magnet of the emergency stop pull cord (also serves as a locking function) is in the position provided on the terminal or that the emergency stop button is not in the pressed position. The switch-on button is located on the rear right-hand frame of the LB. It is used exclusively for switching on. The user must not stand on the LB when switching it on. The operating buttons are located on the control panel of

the LB and can be operated by lightly tapping them without using force. (Terminal operation, see appendix) By lightly tapping the OFF button (switch off), the LB switches itself off again . The LB can be switched off by pressing the button on the rear right frame.

4.3 Troubleshooting

If the LB behaves incorrectly, it can be brought to a standstill using the stop button and the emergency stop and the problem can be rectified by restarting it. If this is not the case, please contact the manufacturer.

Furthermore, there are no system messages, error messages or fault messages.

4.4 Note on reporting events

Attention: Events (incidents) involving a motion sprint 900 SE/SL med treadmill that can or could have led to serious harm to patients or staff (dangerous injuries and deaths) and/or material damage must be reported immediately after the incident occurs by email or telephone.

be reported to the manufacturer Reha-Stim Medtec and the competent authority of the Member State in which the user and/or patient is established.

5. options

5.1 Reverse operation (U mkehr der Laufrichtung)

See chapter 2.8.2.9

5.2 Polar pulse systems (receiver included in the scope of delivery)

The motion sprint 900 SE/SL med devices are equipped with the original POLAR pulse system, which uses a chest strap to record signals as standard. This enables individual training in various programmes. The wireless data transmission to the display electronics is coded (either via 5kHz or Bluetooth . The new POLAR "auto-pairing" technology is based on secure and interference-free data transmission via Bluetooth. This technology requires the use of the H10 or H9 transmitters. Other parameters, such as HRV and respiratory rate, are also transmitted to the monitor via the Bluetooth connection.

If the old transmitters, e.g. T31coded, are used, there is downward compatibility. Please note that there may be interference during signal transmission.

The colour of the flashing heart symbol indicates the technology used. light blue=Bluetooth green=5kHz

5.3 Pulse transmission via ANT+ technology

ANT+

The motion sprint 900 SE/SL med devices enable optional data transmission via ANT+ in addition to heart rate transmission via 5kHz/ .Bluetooth

ANT+ The performance package is required for this. The motion cardio line 900 and motion cardio line 900 med devices automatically recognise a .

Polar 5kHz/Bluetooth signal or ANT+ signal. To pair a ANT+ sensor, the user must already be in the desired training programme and the corresponding sensor must be presented near the integrated radio antenna in the monitor.

A dark blue flashing heart symbol confirms the heart rate transmission via .

Fig.: Pairing an ANT+ sensor for heart rate transmission

5.4 Load increase to 250 kg

For loads over 160 kg, the treadmill must be in a horizontal position. Setting the incline above 160 kg is prohibited, as is the use of the HzP.

5.5 Variants

Different variants can be ordered for the respective models depending on the application:

- Arm supports (steel, powder-coated) for adults and children
- Ramp (wood) for easier access
- Bracket for fall protection HzP with chest harness
- Weight relief (for the Callis Trac 60 PRO included) with rehab belt corset (fabric)
- Fixed or removable railing keypad

If you have received one or more of these options in your product, you will find more detailed information in the corresponding operating instructions.

6. Safe training

Chapter 2.8.2 "Labelling" must be observed!

Chapter 8 "Maintenance" must be observed!

EMERGENCY STOP device: The existing EMERGENCY STOP pull cord and/or the EMERGENCY STOP button must be actuated in an emergency and will stop the lift truck immediately. The "STOP button" can always be actuated as a safety function. It reduces the speed of the running surface until it comes to a standstill. Before starting training, the suitability should be checked by an authorised person. According to the DIN EN 60601-1 standard, the slats, the display and the keypads are application parts. The LB is switched off again by lightly tapping the OFF button.

Note: Please note the contraindications listed. Please note that excessive training can be harmful.

When training, wear tight-fitting, lightweight sports clothing that cannot get caught in parts of the LB during training. The plastic clip attached to the ripcord must be attached to the clothing when using the LB so that the magnet detaches from the terminal when the ripcord is tightened. The ripcord must be adjusted so that the magnet is released at no more than 70% of the length of the running surface. Always wear suitable sports shoes to ensure a secure footing on the running surface. Before starting training, check the device for secure footing, any defective parts or other tampering. If you discover any defects or are unsure, ask the supervisor before you start training.

Note: Make sure that you always run in the centre of the running surface. Adapt to the speed.

7. Care

Clean the plastic panelling, the frame parts and all railing variants with a damp cloth and mild soap to remove aggressive sweat residues. Then wipe the surfaces dry.

Please only use acryl-des® disinfectant wipes if disinfection of the LB is necessary. Cleaning should be carried out as required.

The safety level of the LB can only be maintained if the appliances are regularly checked for damage and wear. Defective parts must be replaced immediately and the appliance shut down until repairs have been carried out.

Attention: Do not use solvents!

DIN EN 60601-1 7.9.2.12
The ME device and its product variants can be cleaned with acryl-des® disinfectant wipes at self-determined intervals (if necessary, depending on use and the degree of soiling). The temperature during cleaning should be between 0°-40° and the humidity below 80%. Further details can be found in the appendix.

8. Maintenance

8.1 Minimum qualification for maintenance personnel

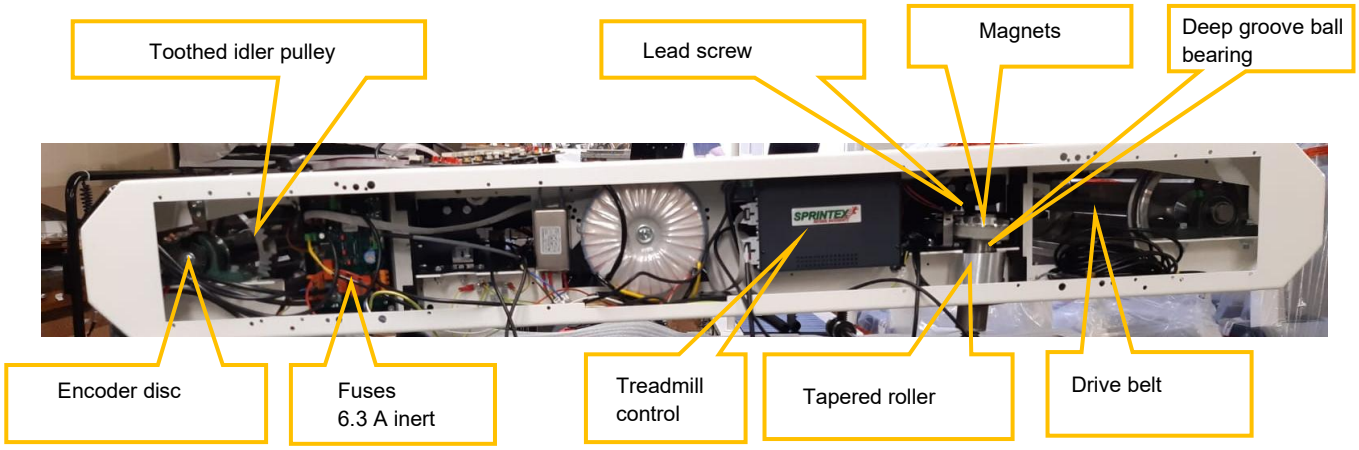
Maintenance must be carried out by a technician or service partner authorised by emotion fitness GmbH & Co. KG or by Reha-Stim Medtec GmbH.

8.2 Maintenance instructions

The appliance is virtually maintenance-free. Nevertheless, we recommend servicing the LB every 12 months. Please observe the following maintenance instructions.

If you have problems that you cannot solve yourself, please contact Reha-Stim Medtec GmbH. The authorised service team will help you quickly and competently or provide you with instructions. No part of the LB may be serviced while it is in use!

Caution: Pull out the MAINS plug before working on the appliance! Do not grease the motor belt for the running surface and pitch! Inadequate maintenance leads to increased noise levels.



Every 12 months:

Remove left and right panels
Vacuuming the accessible areas
Check the magnets on the pitch spindle for firm seating, re-glue if necessary (with Pattex)
Clean and regrease toothed and V-belts (Molykote grease)
Clean and relubricate tapered roller bearings and ball bearings (penetrating oil)
Clean and re-grease inclination spindles (Molykote grease)

Additional recommendation every 24 months:

Cleaning the idler pulley
Check tread tension
Tighten the pedestal bearing screws on both deflection rollers (50 Nm)
Check all screws for tightness

8.3 Replacement of fuses, mains connection cables and other parts

Replacement of fuses

Disconnect the mains plug from the mains supply! Loosen the side panel with a Phillips screwdriver. Replace the fuses on the control board (2x 6.3 A slow-blow, labelled on the circuit board, 2x 10 A slow-blow on the control board if a gradient is present) using the bayonet catch.

Replacing the mains connection cable

Disconnect the mains plug from the mains supply! Loosen the side panel with a Phillips screwdriver. Disconnect the mains connection cable from the mains filter, loosen the cable gland including the strain relief, remove the mains cable, feed through a new mains cable, insert a new strain relief, connect the mains connection cables to the mains filter. After successful replacement, refit the side panels.

Other parts

Reha-Stim Medtec GmbH must always be contacted for the replacement of parts that are not listed.

8.4 Circuit diagrams / component list

Note: Information required for maintenance measures (circuit diagrams, components, etc.) can be requested directly from Reha-Stim Medtec GmbH.

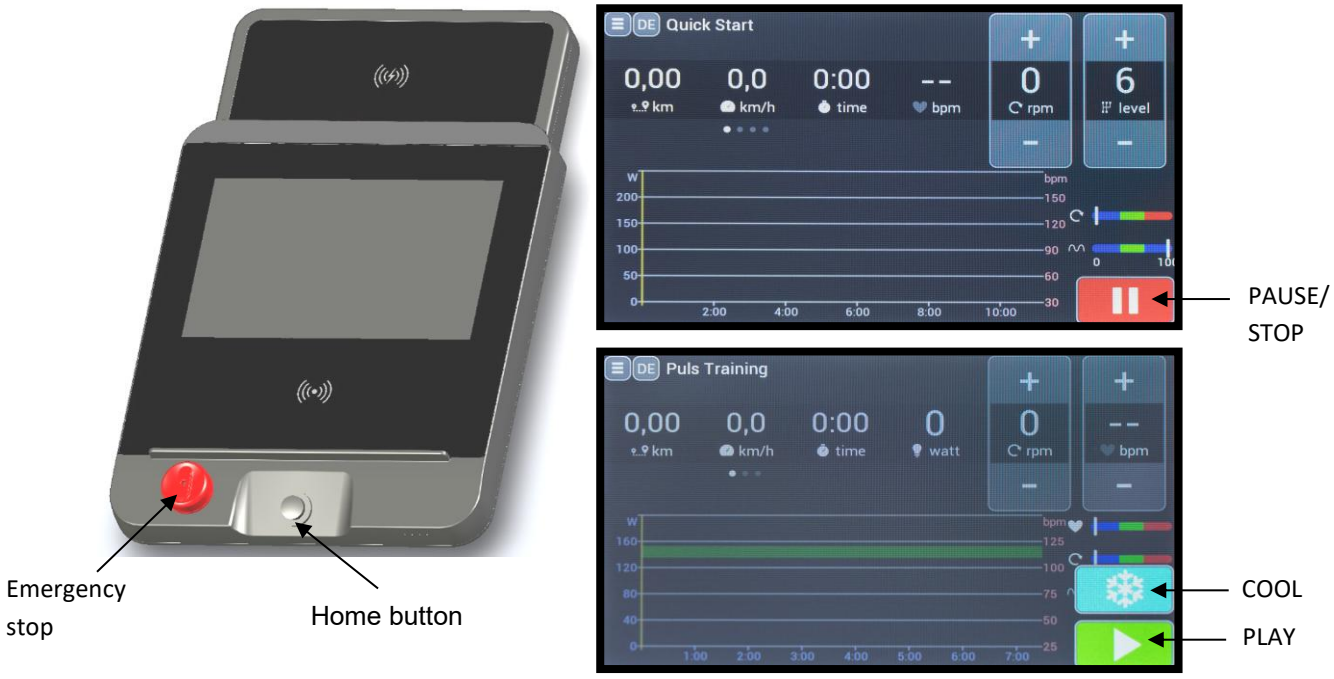
9. Maintenance

The MP motion sprint 900 SE/SL med must undergo a safety inspection (STK) every 12 months in accordance with the Medical Devices Operator Ordinance (MPBetreibV) . The operator is responsible for carrying this out.

10. Operation "Display"

Three training programmes enable individual training with the motion cardio line 900 machines.

10.1 Overview of display/button functions



Explanation of the buttons:

- The **home button** is a physical button below the display glass. It is pressed to access the main menu. A long press (at least 6 seconds) of the HOME button resets the monitor electronics.
- Press the **PAUSE** button (▯▯) to pause the training session.
- Training can be started or resumed by pressing the **PLAY** button (▷) .
- The **COOL** button (❄) ends the training session immediately. A summary of the training results is immediately created, displayed and, if necessary, sent to compatible training control software.
- Use the **"+" button or "-" button** to increase or decrease the parameters or power values to be set.
- Use the **arrow buttons** to navigate through the corresponding menus and confirm values or settings.
- You can navigate through the programme selection by swiping/swiping gestures.

Depending on the programme, some of the following parameters are displayed:

- Programme name.
- Time: Training time completed or remaining.
- Heart rate: Heart rate display when using a compatible heart rate transmitter belt. The heart rate indicator shows the current heart rate range for programmes with a target or maximum heart rate. The profile indicator in the display shows the progression of the intensity range during training.
- km/h: Fictitious speed is displayed in km/h.
- %: Inclination in %
- HRV: Heart rate variability is displayed via the RMSSD value (requires POLAR H10 sensor).
- resp: Respiratory rate (requires POLAR H10 sensor)
- km: Added or remaining distance. The display is in metres; from 1000m in 10m steps (1.00 km).
- K-Cal: Added or remaining calorie consumption.

- Level: Intensity level 1 - 21.
- ∅If the parameters are supplemented with this symbol, these are average values.

Results

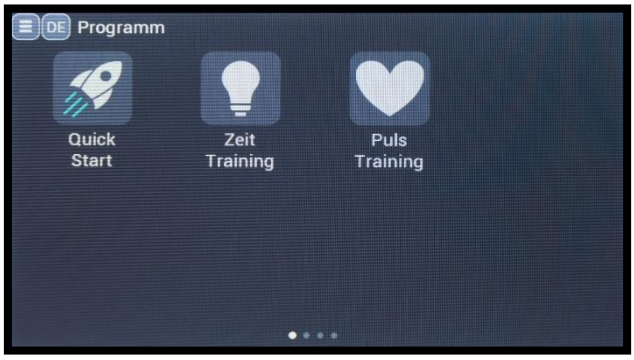
The results are displayed on the monitor after a training programme has been completed or cancelled prematurely via COOL (❄). If there is no reaction, the training programme is ended after the results are displayed. Otherwise, a 3-minute cool-down begins.

Some of the values are averaged (watts, km/h, speed, heart rate, altitude metres/min), others are cumulated (km, K-Cal, time, altitude metres). The average values are marked with the symbol Ø.

These results make it possible to monitor personal performance development and thus serve as motivation.

10.2 Programme selection

The desired training programme can be selected in the main menu by tapping the corresponding symbol. You will then be taken to the configuration page where you can set the relevant training parameters. Press the **PLAY** button ( ) to confirm your entry and start the training p▷gramme. You can return to the main menu via the home icon or the home button.



Error messages

The following error messages may occur. If the error is displayed repeatedly, the measures listed below can provide a remedy. If these do not lead to success, the manufacturer and, if necessary, the software manufacturer should be contacted.

Error message	Measure/s	Device types affected
"Pulse sensor?"	The monitor wants to start a programme that requires a heart rate sensor to be worn. If no sensor is found, this message is displayed. à Check the pulse sensor.	All motion cardio line 900 devices
"FBB:Incomplete frame"	FBB (Fly-By-Bluetooth®) error; when the end of a message to be transmitted is reached but it is not yet complete. à Contact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration

"FBB:Bad packet type"	FBB error; unknown message type was sent by the PC software. à Contact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"FBB:Bad block check"	FBB error; block check (generated checksum) does not match the expected block check. à Contact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"FFB:Missing ETX"	FBB error; the end of the message does not correspond to the "End of message" character. àContact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"FBB:Parser failed"	FBB error; message from PC does not correspond to a defined message format. à Contact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"FBB:UID mismatch"	FBB error; the user ID sent in the login message does not match the user ID from the programme message. à Contact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"Programme not allowed"	FBB error; the software has sent a programme that is not enabled in the device. à Select a different programme on the PC or Contact the device manufacturer to purchase this.	All motion cardio line 900 devices à only occurs with system integration
"FBB:Missing input: ##"	FBB error, parameter ## is missing in the programme message, but is required (programme is not started). à Contact the software manufacturer or device manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"Par ## out of range: ###<###<###"	A required setting parameter was sent to the device by the PC software outside the permissible range. à Contact the software manufacturer.	All motion cardio line 900 devices à only occurs with system integration
"Profile> 50 steps"	Error message if a profile with too many steps is to be played. à Reduce the number of interval steps in the PC programme (only for interval programme)	All motion cardio line 900 devices à only occurs with system integration and

	or contact the software manufacturer or device manufacturer.	selected interval programme
"Infocode: ### (sometimes with additional text)	Error number of the MCU6 motor control unit is displayed. à Contact the device manufacturer.	motion sprint 900 PL
"Sprintex Err: A##:###"	Error number of the controller is displayed. à Contact the device manufacturer.	motion sprint 900 SL/SE
"Sprintex Err: $-$"	Error number of the controller is displayed. à Contact the device manufacturer.	motion sprint 900 SL/SE
"Sprintex Err: no reply"	The monitor receives no response from the controller. à Contact the device manufacturer.	motion sprint 900 SL/SE

11 Technical data

The dimensions and weight may vary due to changes in the appliance.

Dimensions	Weight	max. user weight
172 cm x 76 cm x 148 cm (L/W/H)	170 kg	160 kg; boosted: 250 kg

Toothed belt-controlled drive of aluminium slats with rubber coating. No slippage, no heating of the running surface, low continuous power consumption.

Step height:	28 cm	
Running surface:	Lamella technology s²ap Sprintex, L x W 155cm x 50cm;	
Weight:	190 kg with incline	
Max. User weight:	160 kg	
Drive:	Brushless DC motor 1.3 KW	
Voltage:	230V 50/60Hz	
Current:		6 amps
Fuses:	2 x 6.3 A slow-blow,	2 x 10 A m. gradient
Air humidity:	< 80%	
Noise development:	< 75 dB(A)	
Temperature range:	0 to 40 ° C.	
Storage temperature:	0 to 40° C.	
Leakage current:	< 0.5 mA	
Degree of protection:		IP X0
Speed:	0-17 km/h continuously adjustable	
Incline:	0-15 % continuously adjustable (with motion sprint SL med)	
Heart rate measurement system:		Ant+ and Bluetooth (chest strap or watch not included)
Medical device:	according to EU 2017/745	
Applications include the following standards:	DIN EN 20957-1 DIN EN 957-6 DIN EN 60601-1	

12. Warranty

This is based on the statutory warranty.

As the distributor of this product, emotion fitness GmbH & Co. KG provides free service for 12 months on parts and labour for professional users if the proper use and care specified in this user manual can be proven. For a further 12 months, emotion fitness GmbH & Co. KG will replace spare parts free of charge.

The warranty claim expires if the product has been serviced or repaired by unauthorised persons. As soon as a warranty claim occurs, you should inform emotion fitness GmbH & Co. KG immediately in writing or by e-mail. Information about the serial number of the device, the time of purchase, a detailed description of the fault and the source of supply must be provided by the owner of the device.

emotion fitness GmbH & Co. KG will arrange a service, but reserves the right to decide on the type of service.

The following procedures are conceivable.

1. the service is carried out on site by our service department.
2 We will send you the required spare part.
3. we will send a replacement device.

The defective parts shall be returned to us by the customer within 48 hours. Otherwise the delivered spare parts will be charged.
If the causes lie outside the scope of the warranty, emotion fitness GmbH & Co. KG reserves the right to charge all repair costs.
Some wearing parts are not covered by the warranty. These are in particular the overlay/keyboard film and the rubber grip on the handlebars. Polar pulse systems are covered by the statutory warranty.
These warranty provisions shall in no way affect general statutory claims.
The current version of our general terms and conditions of delivery can be viewed and downloaded from our website www.emotion-fitness.de.

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Document History

Version no.	Reason for the change	Author/ Date	checked/ date	released/ date
1.0	New creation BA Callis motion sprint 900 SE/SL med	L.Huhn, 07.10.2022	W. Smoke 07.10.2022	W. Smoke / 07.10.2022
1.1	Supplement motion sprint 900 SE/SL med	M. Brodehl 13.02.2023		
2.0	Conversion to MDR and Reha-Stim Medtec	W. Smoke 31.01.2024	W. Smoke 31.01.2024	C. Smoke 31.01.2024
3.0	Update according to MDR Regulation Annex I, Chapter 23	W. Smoke 31/03/2024	W. Smoke 31/03/2024	C. Smoke 31/03/2024
3.1	Update according to MDR regulation, feedback TÜV, adaptation variants	W. Smoke 10.06.2024	W. Smoke 10.06.2024	C. Smoke 10.06.2024
3.2	Update alignment with clinical evaluation	W. Smoke 07.09.2024	W. Smoke 07.09.2024	C. Smoke 07.09.2024
3.3	Adaptation of company name to new legal form	W. Smoke 05.01.2025	W. Smoke 05.01.2025	C. Smoke 05.01.2025
3.4	Adjustments to make operation easier to understand	W. Smoke 13.03.2025	W. Smoke 13.03.2025	C. Smoke 13.03.2025
3.5	Formatting corrections	W. Smoke 01.05.2025	W. Smoke 01.05.2025	C. Smoke 01.05.2025