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Operating instructions
Hand rail

KERN MWA-A02

Version 1.0
01/2016
GB



GB

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Version 1.0 01/2016

Operating instructions Hand rail

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1 Technical data

KERN	MWA-A02
Dimensions (D x H x W) mm	560 x 920 x 40
Net weight	4000 g

Hand rail only suitable for Multifunctional balance KERN MWA.

2 Scope of delivery

- Hand rail
- 4 Screws
- Operating instructions

3 Explanation of the graphic symbols

SN WF 12xxx

Designation of the serial number of every device, applied at the device and on the packaging.

Number here as example



2016-01

Identification of the manufacturing date of the medical product.

Year and month here as example

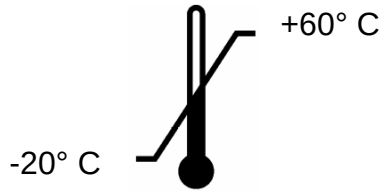


„Attention observe accompanying document“, or „Follow operating instructions“



Kern & Sohn GmbH
D – 72336 Balingen
Ziegelei 1

Identification of manufacturer of medical product including address



Temperature limitation
indicating the upper and the lower limit
(storage temperature on packaging)

Temperature indication as example

10°C / 40°C

Temperature limitation in the application indicating the lower and the upper limit
(Allowable ambient temperature)

Temperature indication as example

4 Basic Information (General)



Weighing instruments have to be verified for the purposes stated below in accordance with Directive 2009/23/EC. Article 1, paragraph 4. “Determination of mass in the practice of medicine that is, weighing patients for reasons of medical supervision during medical surveillance, examination and treatment.”

Defined purpose

Indication:
In combination with balance KERN MWA

- Determining the body weight in the medical practice area.
- Use as „non-standalone weighing scale“, that is, a person steps carefully onto the weighing platform‘s centre.
- For wheel chair scales, a wheel chair together with the person sitting in it is pushed over the ramp into the centre of the weighing plate and/or the electric wheel chair is moved automatically driven onto the weighing plate.
- A mounted MWA-A02 provides the following additional feature: The person to be weighed will be able to stand up and to secure or stabilise his/her standing position with the help of the hand rail. If that is the case the wheelchair can be removed from the weighing platform.
  Stabilisation = both hands on the hand rail.

Contraindication:

No contraindication known.

Proper use



This weighing scale is designed to determine a person's weight in either standing or sitting position according to the model, in medical treatment rooms. The balance is suitable for recognising, preventing and controlling illnesses.

Scales fitted with a serial interface may only be connected to appliances in compliance with Directive EN60601-1.
When using KERN MWA scales, the person to be weighed has to step carefully onto the centre of the weighing platform.

A mounted MWA-A02 provides the following additional feature:
The person to be weighed will be able to stand up and to secure or stabilise his/her standing position with the help of the hand rail. If that is the case the wheelchair can be removed from the weighing platform.
Stabilisation = both hands on the hand rail.

The weighing scale is designed for continuous duty.

As soon as a stable weighing value is reached the weighing value can be read.

The weighing scale can be accessed/exited from one side.

The balance should be checked for correct condition prior to each utilisation by a person familiar with proper operation of the balance.

Improper Use

The hand rail has been designed for the stabilisation of the person.
The hand rail must always be assembled according to chapter „Installation“.
Additional loads are not permitted and may result in damage or injury.

Do not use these scales for dynamic weighing processes.
Do not leave permanent load on the weighing pan. This may damage the measuring system.
Impacts and overloading exceeding the stated maximum load (max) of the weighing plate, minus a possibly existing tare load, must be strictly avoided. This could cause damage to the balance.
Never operate balance in explosive environment. The serial version is not explosion protected. It should be noted that a flammable mixture of anaesthetics and oxygen or laughing gas may occur.
The structure of the balance may not be modified. This may lead to incorrect weighing results, safety-related faults and destruction of the balance.
The balance may only be used according to the described conditions. Other areas of use must be released by KERN in writing.

Warranty

Warranty claims shall be voided in case

- Our conditions in the operation manual are ignored
- The appliance is used outside the described uses
- The appliance is modified or opened
- Mechanical damage and damage caused by media, liquids,
- Natural wear and tear
- The appliance is improperly set up or incorrectly electrically connected
- The measuring system is overloaded
- Dropping the balance

Test device control

In the framework of quality assurance the measuring-related weighing properties of the balance and, if applicable, the testing weight, must be checked regularly. The responsible user must define a suitable interval as well as type and scope of this test. Information is available on KERN's home page (www.kern-sohn.com with regard to the monitoring of balance test substances and the test weights required for this. In KERN's accredited DKD calibration laboratory test weights and balances may be calibrated (return to the national standard) fast and at moderate cost.

Using measuring technology to check the accuracy of the measuring device is recommended for personal balances with body height measurement but is not absolutely essential as the calculation of the human body height is always subject to a great deal of inaccuracy.

5 Basic Safety Precautions



Carefully read this operation manual before commissioning, even if you are already familiar with KERN products.

All language versions contain a non-binding translation. The original German is binding.

Staff training

The medical staff must apply and follow the operating instructions for proper use and care of the product.

Avoiding contamination

In order to avoid crossed contamination (fungal disease,…) the parts coming into contact with the patient must be cleared regularly.

Recommendation:

After every application which could have a potential contamination as consequence (e.g. direct contact with the skin).

6 Transport and storage

Testing upon acceptance

When receiving the appliance, please check packaging immediately, and the appliance itself when unpacking for possible visible damage.

Packaging / return transport

- ⇨ Keep all parts of the original packaging for a possibly required return.
- ⇨ Only use original packaging for returning.



- ⇨ Prior to dispatch disconnect all cables and remove loose/mobile parts.
- ⇨ Reattach possibly supplied transport securing devices.
- ⇨ Secure all parts such as the weighing platform, power unit etc. against shifting and damage.

7 Unpacking/installing

7.1 Installation Site, Location of Use

The balances are designed in a way that reliable weighing results are achieved in common conditions of use.
You will work accurately and fast, if you select the right location for your balance.

Therefore, observe the following for the installation site:

- Avoid extreme heat as well as temperature fluctuation caused by installing next to a radiator or in the direct sunlight;
- Avoid jarring during weighing;
- Protect the appliance against high humidity, vapours and dust;
- Do not expose the device to extreme dampness for longer periods of time. Non-permitted condensation (condensation of air humidity on the appliance) may occur if a cold appliance is taken to a considerably warmer environment.
- Prevent static charge to device or the person to be weighed.
- Avoid contact with water.

Major display deviations (incorrect weighing results) may be experienced should electromagnetic fields (e.g. due to mobile phones or radio equipment), static electricity accumulations or instable power supply occur. Change location or remove source of interference.

7.2 Unpacking

Take the individual components out of their packaging and place it at the intended position.

8 Installation

	We recommend engaging a second person to assist you during installation.

Carefully remove the plastic cover from the weighing scale, ensuring that the weighing scale does not get scratched in the process.

	Place the hand rail on the balance at the corresponding position and fix it with the help of the four screws.

	Once installation is complete, check all screws for tight fit. Otherwise the person to be weighed may suffer an injury.

9 Operation

Mounting a handle set on the wheelchair scale KERN MWA facilitates weighing in a standing or sitting position in a wheelchair with walking aid.
The wheelchair's weight is simply deducted by the pre-tare function.

Weighing without wheelchair/wheeled walker:

- ⇨ Allow patient to step on the weighing scale
- ⇨ Ensure that he/she is positioned exactly in the centre of the weighing platform.
- ⇨ The patient is supposed to hold onto the hand rail and to remain still
- ⇨ Carry out weighing
- ⇨ After weighing, allow patient to leave the weighing platform slowly and cautiously

Weighing with wheelchair/wheeled walker whilst standing:

- ⇨ Allow patient to drive onto the weighing platform or to step onto the weighing platform with the help of a wheeled walker
- ⇨ Allow patient to get up from wheelchair
- ⇨ Reverse wheelchair from the weighing scale or remove patient's wheeled walker.
- ⇨ Allow the patient to step onto the centre of the weighing platform
- ⇨ The patient is supposed to hold onto the hand rail and to remain still
- ⇨ Carry out weighing
- ⇨ Move the wheelchair onto the weighing platform or return the wheeled walker to patient. Allow patient to sit down on wheelchair.
- ⇨ Move patient slowly and carefully off the weighing platform or allow patient to step away with the help of the wheeled walker.

Weighing with wheelchair in sitting position:

- ⇨ Push wheelchair onto weighing platform and tare weight
- ⇨ Pull wheelchair off weighing platform and put patient on wheelchair
- ⇨ Slowly drive the patient onto the weighing platform and carry out weighing
- ⇨ After weighing has been completed, pull patient in wheelchair slowly away from platform.

English

10 Cleaning / disinfecting

10.1 Cleaning / disinfecting

Clean weighing platform (such as seat) as well as casing with household detergents or commercially available disinfectants. Please follow manufacturer's instructions.

Do not use abrasive or aggressive cleaners such as spirits or alcohol or similar as they might damage the high-quality surface.

The prevention of cross-contamination (fungal skin infections,……) requires regular cleaning of the weighing platform. Recommendation: after a weighing procedure that could potentially result in contamination (e. g. after weighing that involves direct skin contact).



Do not spray disinfectants onto appliance.

Make sure that disinfectant does not penetrate the interior of the appliance.

Remove dirt immediately