Wheelchair Platform Scale KERN MWS · Stretcher Scale KERN MWS-L

Wheelchair platform scale with low overall height for easy access – with approval for professional, mobile medical use in medical diagnostics, verification optional
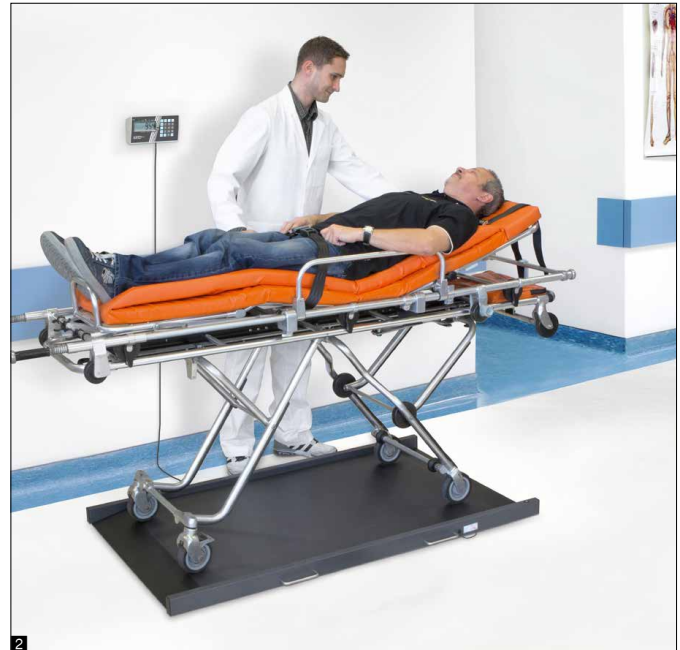

1 KERN **MWS**

2 KERN **MWS-L**

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Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Especially suitable for weighing patients in wheelchairs, because the low-profile platform can be approached from either side and the memory function for tare weights for up to five (electric) wheelchairs
- **1** KERN MWS: Three balances in one: With the practical KERN MWS-A02 handrail set, the wheelchair platform scale KERN MWS 300K100M can be converted quickly and easily into a multi-function scale. In this way patients can be weighed standing up on their own, using the support of the handrail or in a wheelchair. For a more ergonomic system the display device can be fitted directly onto the handrail
- **2** KERN MWS-L: Due to its large dimensions and large weighing capacity, it is especially suitable for weighing immobile patients on stretchers or wheelchairs
- The large steel weighing plate also makes it ideal for weighing obese patients
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading

- BMI function to determine underweight/normal weight/surplus weight
- The scale can be easily transported using the handle and two rollers and does not require much storage space
- Display device with two magnets on the back, ideal to fix it to metallic surfaces, e.g. to the weighing plate
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- LCD display, digit height 25 mm
- Dimensions of display device W×D×H 210×110×45 mm
- Cable length of display device approx. 1,85 m
- Overall dimensions W×D×H
  MWS 300K100M: 1158×835×60 mm
  MWS 400K100DM: 1255×1060×69 mm
  MWS 300K-1LM: 1500×860×68 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard

Accessories

- **1** Handrail set to fit to the wheelchair platform scale KERN MWS 300K100M, W×D×H approx. 60×1150×900 mm. Scope of delivery: two hand-rails, a stability bar, fasteners, overall dimensions W×D×H 1155×830×65 mm (MWS 300K100M + MWS-A02), KERN MWS-A02
- Stand to elevate display device, height of stand approx. 950 mm, KERN MWS-A01
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01
- Internal rechargeable battery pack, operating time up to 45 h without backlight, charging time approx. 14 h, KERN FOB-A08
- Interface cable RS-232 to connect an external device, KERN MPS-A08
- Matrix needle printer, KERN YKN-01
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification

STANDARD — RS 232 | MOVE | BATT | MULTI | 2 DAYS

OPTION — ACCU

FACTORY — M +3 DAYS

CE 0297

Model	Weighing range	Readout	Verification value	Weighing plate	Net weight approx.	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	W×D×H mm	kg	KERN
MWS 300K100M	300	0,1	0,1	910×740	30	965-129
MWS 400K100DM	300 | 400	0,1 | 0,2	0,1 | 0,2	1000×1000	44	965-130
MWS 300K-1LM	300	0,1	0,1	800×1200	42	965-129

Adjusting program CAL
For quick setting up of the balance's accuracy. External adjusting weight required

Memory
Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

Data interface RS-232
To connect the balance to a printer, PC or network

RS-485 data interface
To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

USB data interface
To connect the balance to a printer, PC or other peripherals

Bluetooth* data interface
To transfer data from the balance to a printer, PC or other peripherals

WIFI data interface
To transfer data from the balance to a printer, PC or other peripherals

Control outputs (opto-coupler, digital I/O)
To connect relays, signal lamps, valves, etc.

Statistics
sing the saved values, the device calculates statistical data, such as average value, standard deviation etc.

PC Software
to transfer the measurements from the device to a PC

GLP/ISO log internal
The balance displays weight, date and time, independent

GLP/ISO log
With date and time. Only with KERN printers

KERN Communication Protocol (KCP)
It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems

Piece counting
Reference quantities selectable. Display can be switched from piece to weight

Totalising level A
The weights of similar items can be added together and the total can be printed out

Weighing units
Can be switched to e.g. nonmetric units.
Please refer to website for more details

Weighing with tolerance range (Check weighing)
Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model

ZERO
Resets the display to "0"

Hold function
When patients do not stand, sit or lie completely still, a stable weight is calculated using an average weight

Hold function
When the weighing conditions are unstable, a stable weight is calculated as an average value

Protection against dust and water splashes IPxx
The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC0529:1989+A1:1999 +A2:2013

Suspended weighing
Load support with hook on the underside of the balance

Battery operation
Ready for battery operation. The battery type is specified for each device

Battery operation rechargeable
Prepared for a rechargeable battery operation

Rechargeable battery pack
Rechargeable set

Universal plug-in power supply
with universal input and optional input socket adapters for
A) EU, CH
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS

Plug-in power supply
230V/50Hz in standard version for EU. On request GB, AUS or US version available

Integrated power supply unit
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or US on request

Weighing principle Strain gauges
Electrical resistor on an elastic deforming body

Peak hold function
capturing a peak value within a measuring process

Push and Pull
the measuring device can capture tension and compression forces

Integrated scale
In the eyepiece

360° rotatable microscope head

Monocular Microscope
For the inspection with one eye

Binocular Microscope
For the inspection with both eyes

Trinocular Microscope
For the inspection with both eyes and the additional option for the connection of a camera

Abbe Condenser
With high numerical aperture for the concentration and the focusing of light

Halogen illumination
For pictures bright and rich in contrast

LED illumination
Cold, energy-saving and especially long-life illumination

Fluorescence illumination for compound microscopes
With 100W mercury lamp and filter

Fluorescence illumination for compound microscopes
With 3W LED illumination and filter

Phase contrast unit
For a higher contrast

Darkfield condenser/unit
For a higher contrast due to indirect illumination

Polarising unit
To polarise the light

Infinity system
Infinity corrected optical system

Automatic temperature compensation
For measurements between 10 °C and 30 °C

Conformity assessment
The time required for conformity assessment is specified in the pictogram

Package shipment
The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment
The time required for internal shipping preparations is shown in days in the pictogram

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