



Wheelchair platform scale KERN MWA

Wheelchair platform scale with two integrated access ramps for easy access – with EC type approval and approval for professional medical use in medical diagnostics



4 ▲ KERN MWA 300K-1M + MWA-A04

With the two practical handrails with the integrated, folding patient seat, you can convert the wheelchair platform scale into a multi-functional scale quickly and easily. This way patients can be weighed standing up, with support from the handrail or in a comfortable seated position. If you fold the patient seat up, then a wheelchair can be pushed or driven onto the scale. The strut rod included with delivery ensures a high level of stability and torsional rigidity. The drive-through protection which is also fitted as standard for the front wheels of the wheelchair gives an extra level of safety

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3 KERN MWA-A02: Handrail, without column, cannot be folded, for self-assembly on the KERN MWA 300K-1M wheelchair platform scale or MWA 300K-1PM. With the two practical handrails with the integrated, folding patient seat, you can convert the KERN MWA 300K-1M wheelchair platform scale into a multi-functional scale quickly and easily. In this way patients can be weighed standing up, with support from the handrail or in a comfortable seated position

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Especially suitable for weighing patients in wheelchairs because of the low-profile platform which can be approached from either side
- **1** The large steel weighing plate also makes it ideal for weighing obese patients
- Level indicator to level the balance precisely
- Hold function: When patients do not stand or sit completely still, a stable weight is calculated using an average weight and this is then "frozen". This means that you have sufficient time to attend to the patient first and then take the weight reading in peace
- **2** KERN MWA 300K-1PM: Wheelchair platform scale with practical handrail incl. column for easy, ergonomic mounting of the display device. The handrail offers patients that extra level of safety when driving or stepping onto the weighing platform
- **2** Both access ramps and the handrail can be folded up quickly and easily, e.g. for transportation
- BMI function to determine underweight/normal weight/surplus weight
- Battery- or mains-powered, rechargeable battery operation optional

- High resolution readability: Readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- GLP/ISO report, printout of weight value, BMI etc. with date and time. FLP/GMP-compliant print form in DE, EN, FR, only in combination with RS-232 interface cable KERN CFS-A01 and printer KERN YKB-01N
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions of weighing surface W×D 880×840 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Cable length of display device approx. 3 m
- Overall dimensions, without handrail, W×D×H 1180×1130×90 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 70 kg

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05

- 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 40 h without backlight, charging time approx. 12 h, KERN MBC-A08
- External mains adapter, 100 V – 240 V, Standard EU, CH, UK, KERN YKA-43
- External mains adapter, 100 V – 240 V, Standard EU, KERN YKA-44
- Interface cable RS-232 to connect an external device, KERN CFS-A01
- **3** Handrail, lacquered steel, dimensions W×D×H approx. 560×40×920 mm, scope of supply: handrail, fasteners, net weight approx. 4,0 kg, KERN MWA-A02
- **4** MWA 300K-1M: Handrail kit with folding patient seat, please add this to your order, retrofitting is not possible, KERN MWA-A04
- Matrix needle printer, KERN YKN-01
- Universal label printer, KERN YKE-01
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD



OPTION



FACTORY



Model	Weighing capacity	Readability	Verification value	Weighing surface	Mandatory by law Verification
	[Max] kg	[d] kg	[e] kg	mm	M KERN
KERN					
MWA 300K-1M	300	0,1	0,1	880×840	965-129
MWA 300K-1PM	300	0,1	0,1	880×840	965-129

* Within the EU, official verification 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.



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



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

(optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.



Statistics:

using 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:

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, IEC 60529:1989+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



Rechargeable battery pack:

Rechargeable set



Battery operation rechargeable

Prepared for a rechargeable battery operation



Universal plug-in power supply:

with universal input and optional input socket adapters for
A) EU, CH
B) EU, CH, GB, USA



Plug-in power supply:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available



Integrated power supply unit:

Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA 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 100 W mercury lamp and filter



Fluorescence illumination for compound microscopes:

With 3 W 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



Verification possible:

The time required for verification 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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