



## **Step-on personal floor scale KERN MPD · MPD-E**

Professional step-on personal floor scale approved as a medical device and with EC type approval



## Step-on personal floor scale KERN MPD · MPD-E



### Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- **1** The bestseller for doctor's surgeries, chemists and hospitals: easy to use with no waste of time – simply tap on it, stand on it, read the weight
- Robust design for daily use in a professional environment
- Ergonomically optimised design
- Easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- **2** KERN MPD 200K-1EM: Identically to MPD 250K100M though without backlight and mains adapter, battery operation only, due to the reduced resolution higher display performance. Especially attractive in price
- **3** Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- KERN MPD: Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

### Technical data

- Weighing plate dimensions W×D×H 365×360×80 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Overall dimensions W×D×H 365×490×120 mm
- Net weight approx. 9 kg

#### MPD 250K100M

- Large backlit LCD display, digit height 25 mm without backlight
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard

#### MPD 200K-1EM

- Large LCD display, digit height 25 mm, without backlight
- Practical battery operation, batteries included, 6×1.5 V AA, operating time up to 20 h

### Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05
- **4** 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

#### Only MPD 250K100M:

- 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

STANDARD	OPTION	FACTORY
BATT MULTI 1 DAY MPD	ACCU MPD	M +3 DAYS *

\* 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.

Model	Weighing capacity	Readability	Verification value	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	KERN
MPD 250K100M	250	0,1	0,1	965-129
MPD 200K-1EM	250	0,2	0,2	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



### 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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