

Personal Floor Scale KERN MPC



**Compact personal floor scale – with approval for professional medical use  
in medical diagnostics, verification optional**



**KERN MPC 250K100M**

**KERN MPC 300K-1LM**

## Personal Floor Scale KERN MPC



### Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- The bestseller for doctor's surgeries, chemists and hospitals
- Robust design for daily use in a professional environment
- Easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- KERN MPC 300K-1LM: Version with [Max] = 300 kg and larger weighing plate. Specially suitable for weighing overweight patients who are in the obese category.
- **1** Sturdy handle for easy transportation of the scale
- **2** Flexible positioning of display device, e.g. free-standing or mounted to the wall. Wall mount for display device standard
- **3** Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- BMI function to determine underweight/normal weight/surplus weight

- 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
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- 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 + MPC-A01 and printer KERN YKB-01N
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

### Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Cable length of display device approx. 1,8 m
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard

### 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
- RS-232 data interface, must be ordered at purchase, KERN MPC-A01
- Interface cable RS-232 to connect an external device, KERN CFS-A01

\*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



OPTION



FACTORY



| Model                    | Weighing range | Readout   | Verification value | Weighing plate | Net weight approx. | Mandatory by law Verification |
|--------------------------|----------------|-----------|--------------------|----------------|--------------------|-------------------------------|
|                          | [Max]<br>kg    | [d]<br>kg | [e]<br>kg          | W×D×H<br>mm    | kg                 | <br>KERN                      |
| <b>KERN MPC 250K100M</b> | 250            | 0,1       | 0,1                | 365×370×80     | 9                  | 965-129                       |
| <b>MPC 300K-1LM</b>      | 300            | 0,1       | 0,1                | 400×500×120    | 10                 | 965-129                       |

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

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

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

**RS 485**  
**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**  
**USB data interface**  
 To connect the balance to a printer, PC or other peripherals

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

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

**SWITCH**  
**Control outputs (optocoupler, digital I/O)**  
 To connect relays, signal lamps, valves, etc.

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

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

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

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

**KCP PROTOCOL**  
**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

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

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

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

**TOL**  
**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**  
**ZERO**  
 Resets the display to "0"

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

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

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

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

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

**RECHARGE**  
**Battery operation rechargeable**  
 Prepared for a rechargeable battery operation

**ACCU**  
**Rechargeable battery pack**  
 Rechargeable set

**MULTI**  
**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

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

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

**DMS**  
**Weighing principle Strain gauges**  
 Electrical resistor on an elastic deforming body

**PEAK**  
**Peak hold function**  
 capturing a peak value within a measuring process

**PUSH/PULL**  
**Push and Pull**  
 the measuring device can capture tension and compression forces

**SCALE**  
**Integrated scale**  
 In the eyepiece

**360°**  
**360° rotatable microscope head**

**360°**  
**Monocular Microscope**  
 For the inspection with one eye

**BINDO**  
**Binocular Microscope**  
 For the inspection with both eyes

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

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

**HAL**  
**Halogen illumination**  
 For pictures bright and rich in contrast

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

**FL-HBD**  
**Fluorescence illumination for compound microscopes**  
 With 100 W mercury lamp and filter

**FL-LED**  
**Fluorescence illumination for compound microscopes**  
 With 3 W LED illumination and filter

**PH**  
**Phase contrast unit**  
 For a higher contrast

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

**POLAR**  
**Polarising unit**  
 To polarise the light

**INFINITY**  
**Infinity system**  
 Infinity corrected optical system

**AUTO ATC**  
**Automatic temperature compensation**  
 For measurements between 10 °C and 30 °C

**M +3 DAYS**  
**Conformity assessment**  
 The time required for conformity assessment is specified in the pictogram

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

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

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