Manuals+ — User Manuals Simplified.

KERN MPB-P Personal Floor Scale

KERN MPB-P Personal Floor Scale User Manual

Contents

KERN MPB-P Personal Floor Scale

Specifications

- **Model:** KERN MPB 300K100P
- **Weighing Capacity:** 300 kg
- **Readability:** 0.1 kg
- **Weighing Plate:** Included
- **Net Weight:** 7 kg

Product Information

The KERN MPB Personal floor scale is a professional care medical scale with BMI function. It comes with a stand and a free-standing display device. The scale has various features and technical capabilities to ensure accurate and reliable measurements.

Features

- Adjusting program CAL for quick balance setup
- Data interfaces: RS-232, RS-485, Bluetooth, WIFI for data transfer
- Hold function for stable weight calculation
- Protection against dust and water splashes (IPxx)
- Suspended weighing support with hook
- Microscope options: Monocular, Binocular, Trinocular
- Various data interface options for connectivity
- Piece counting, totalizing, GLP/ISO log, statistics calculation, etc.

Technical Data

- **Adjusting Program:** CAL
- **Data Interface:** RS-232, RS-485, Bluetooth, WIFI
- **Protection:** IPxx
- **Weighing Units:** Metric and nonmetric units switchable
- **Battery Operation:** Yes (specific battery type required)

Accessories
The scale comes with a weighing plate and a net weight of approximately 7 kg.

Product Usage Instructions

Weighing Process

1. Place the scale on a flat, stable surface.
2. Step onto the weighing plate.
3. Wait for the stable weight to be displayed on the free-standing display device.
4. Read and record the weight displayed.

Data Transfer
To transfer data from the scale to external devices like printers or PCs, use the appropriate data interface (RS-232, RS-485, Bluetooth, WIFI).

Battery Operation
If using battery operation, ensure the correct battery type is installed as specified for the device.

Frequently Asked Questions (FAQ)

- **Q: Can I switch between different weighing units?**

  A: Yes, the scale allows you to switch between metric and nonmetric units. Refer to the website for more details.

- **Q: How do I perform piece counting with this scale?**

  A: You can select reference quantities for piece counting. The display can be switched from piece to weight for accurate counting.

- **Q: What is the purpose of the Hold function?**

  A: The Hold function calculates a stable weight even when weighing conditions are unstable or when patients do not remain completely still.

**MEDICAL SCALES 2023
PROFESSIONAL CARE**

Personal floor scale KERN MPB

KERN **MPB-P**
with stand

KERN **MPB**
with free-standing
display device

Personal floor scale with BMI function

Features

- Sturdy steel weighing plate with a non-slip and wear-resistant surface
- Easy and hygienic cleaning
- Secure and non-slip positioning with rubber feet
- Hold function: When patients do not stand 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
- Simple and convenient 4-key operation
- BMI function to determine underweight/normal weight/surplus weight
- Wall mount for the display device, as standard, only for models without a stand
- Battery- or mains-powered
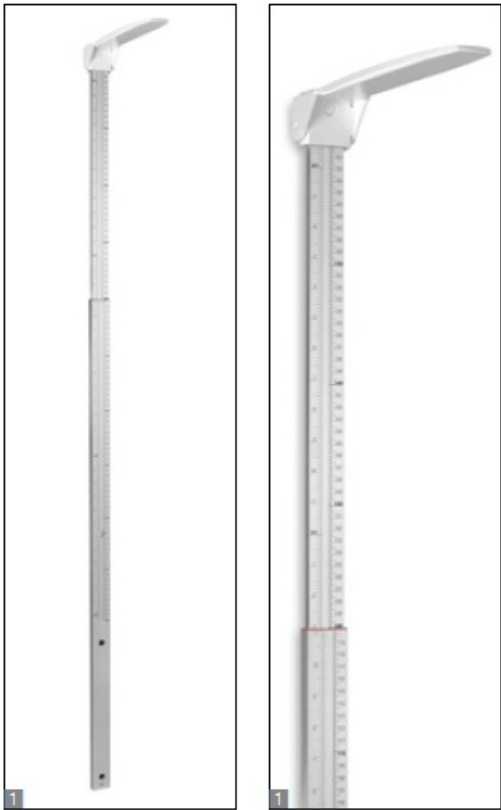- Protective working cover included with delivery

Technical data

- LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H 315×300×60 mm
- Dimensions of display device W×D×H 210×110×50 mm
- MPB: Cable length of display device approx. 1,2 m
- Overall dimensions W×D×H
    - MPB: 315×300×60 mm
    - MPB-P: 315×450×1000 mm (incl. stand)
- Battery operation possible, 6×1.5 V AA not included, operating time up to 170 h
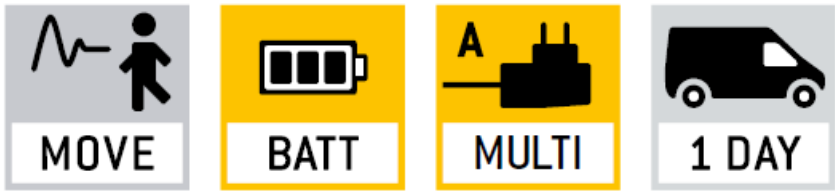
- Mains adapter external, standard

Accessories

- 1 Mechanical height rod, measuring range: 60 – 205 cm, can be screwed onto the column from the front or the back (MPB-P) or wall-mounted, approved as a medical device according to 93/42/EEC, KERN MSF 200
- 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

STANDARD

Model	Weighing capacity	Readability	Weighing plate	Net weight approx.
	[Max]	[d]		
KERN	kg	kg	mm	kg
MPB 300K100P	300	0,1	315×300×55	7
MPB 300K100	300	0,1	315×300×60	4,6

MEDICAL SCALES 2023
KERN PICTOGRAMS

- **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.
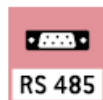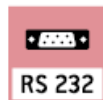
- **Data interface RS-232:**

  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.
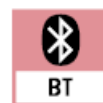
  Network in bus topology is possible

CAL EXT

MEMORY

RS 232

RS 485

- **Bluetooth* data interface:**

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

- **WIFI data interface:**

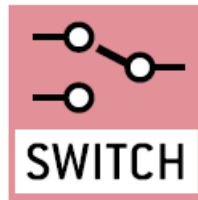 To transfer data from the balance to a printer, PC or other peripherals

BT

WIFI

- **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
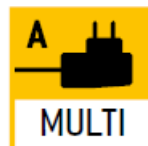
- **Battery operation:**

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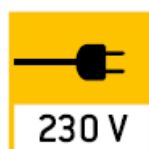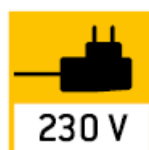

- **Rechargeable battery pack:** Rechargeable set

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

PEAK

PUSH/PULL

SCALE

- **360° rotatable**

  microscope head

360°

- **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

MONO

BINO

TRINO

- **Abbe Condenser:**

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

ABBE

- **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
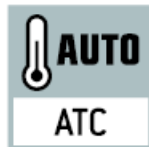
HAL

LED

FL-HBO

- **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

FL-LED

PH

DF

- **Polarising unit:**

  To polarise the light
- **Infinity system:**

  Infinity corrected optical system

- **Automatic temperature compesation:**

  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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Documents / Resources

KERN MPB-P Personal Floor Scale [pdf] User Manual
MPB-P Personal Floor Scale, MPB-P, Personal Floor Scale, Floor Scale, Scale

References

- 🌐 **MPB-P11kern-sohn.com**
- **User Manual**