

Obesity scale KERN MPT

APPROVED MEDICAL DEVICE



Compact personal floor scale with obesity range – with EC type approval class III and approval for professional mobile or stationary medical use in medical diagnostics

### Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Ideally suited for hospitals, clinics and doctor's surgeries as well as for mobile applications such as home visits or at sports events
- Thanks to the wide weighing range from 0 to 300 kg, this scale can be used to weigh children, adults of normal weight and overweight persons
- Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- Robust and compact design
- 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

- BMI function to determine underweight/normal weight/surplus weight
- Wall mount for the display device
- Sturdy handle for easy transportation of the scale
- Battery- or mains-powered, rechargeable battery operation optional

### Technical data

- LCD display, digit height 25 mm
- Dimensions of weighing plate W×D×H 450×340×90 mm
- Dimensions of display device W×D×H 210×110×50 mm
- Cable length of display device approx. 150 cm
- Battery operation possible, 6× 1,5V AA, not included, operating time up to 57 h
- Mains adapter (external) included
- Net weight approx. 8,5 kg

### Accessories

- **1** Stand to elevate display device, height of stand approx. 950 mm, KERN MWS-A01
  - **2** Mechanical height rod, measuring range between 60–205 cm, for wall-mounting, approved as a medical device according to 93/42/EEC, KERN MSF 200
  - Protective working cover over the display device, standard, can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05
  - Cleaning cloths, alcohol-free cloths for wipe disinfectant. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 80 pcs., size 20×22 cm per cloth, KERN MYC-01
  - Internal rechargeable battery pack, operating time up to 50 h, charging time approx. 24 h, KERN FOB-A08
  - Interface cable RS-232C to connect an external device, KERN MPS-A08
  - Matrix needle printer, KERN YKN-01
  - Label printer, KERN YKE-01
  - Thermal printer, KERN YKB-01N
- For more details see the internet

STANDARD



OPTION



FACTORY



\* 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 range [Max] kg	Readout [d] kg	Verification value [e] kg	Mandatory by law Verification	
				KERN	
MPT 300K100M	300	0,1	0,1	965-129	

## Pictograms

<p><b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.</p>	<p><b>Hold function:</b> When the weighing conditions are unstable, a stable weight is calculated as an average value.</p>	<p><b>Binocular Microscope:</b> For the inspection with both eyes</p>
<p><b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.</p>	<p><b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram</p>	<p><b>Trinocular Microscope:</b> For the inspection with both eyes and the additional option for the connection of a camera</p>
<p><b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible</p>	<p><b>Stainless steel:</b> The balance is protected against corrosion</p>	<p><b>Abbe Condenser:</b> With high numerical aperture for the concentration and the focusing of light</p>
<p><b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.</p>	<p><b>Suspended weighing:</b> Load support with hook on the underside of the balance.</p>	<p><b>Halogen illumination:</b> For pictures bright and rich in contrast</p>
<p><b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.</p>	<p><b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device</p>	<p><b>LED illumination:</b> Cold, energy saving and especially long-life illumination</p>
<p><b>Statistics:</b> using the saved values, the device calculates statistical data, such as average value, standard deviation etc.</p>	<p><b>Rechargeable battery pack:</b> Rechargeable set</p>	<p><b>Fluorescence illumination for compound microscopes:</b> With 100W mercury lamp and filter</p>
<p><b>PC Software:</b> to transfer the measurements from the device to a PC.</p>	<p><b>Battery operation rechargeable</b> Prepared for a rechargeable battery operation</p>	<p><b>Fluorescence illumination for compound microscopes:</b> With 3W LED illumination and filter</p>
<p><b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module.</p>	<p><b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB; C) EU, GB, CH, USA, AUS.</p>	<p><b>Phase contrast unit:</b> For a higher contrast</p>
<p><b>GLP/ISO log:</b> With date and time. Only with KERN printers.</p>	<p><b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.</p>	<p><b>Darkfield condenser/unit:</b> For a higher contrast due to indirect illumination</p>
<p><b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.</p>	<p><b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.</p>	<p><b>Polarising unit:</b> To polarise the light</p>
<p><b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.</p>	<p><b>Weighing principle: Strain gauges</b> Electrical resistor on an elastic deforming body.</p>	<p><b>Infinity system:</b> Infinity corrected optical system</p>
<p><b>Weighing units:</b> Can be switched to e.g. nonmetric units at the touch of a key. Please refer to website for more details.</p>	<p><b>Peak hold function:</b> capturing a peak value within a measuring process.</p>	<p><b>Automatic temperature compensation:</b> For measurements between 10 °C and 30 °C</p>
<p><b>Weighing with tolerance range:</b> (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</p>	<p><b>Push and Pull:</b> the measuring device can capture tension and compression forces.</p>	<p><b>Verification possible:</b> The time required for verification is specified in the pictogram.</p>
<p><b>Hold function:</b> When patients do not stand, sit or lie completely still, a stable weight is calculated using an average weight.</p>	<p><b>Integrated scale:</b> In the eyepiece</p>	<p><b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.</p>
<p><b>Monocular Microscope:</b> For the inspection with one eye.</p>	<p><b>360° rotatable microscope head</b></p>	<p><b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.</p>

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