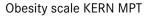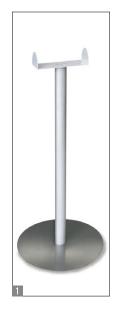## Obesity scale KERN MPT

APPROVED MEDICAL DEVICE

1 **2**

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

| RS 232 | MOVE | BATT | MULTI | 1 DAY | ACCU | 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 range	Readout	Verification value		Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg		M[III] KERN
MPT 300K100M	300	0,1	0,1		965-129

Pictograms

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

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.

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.

Wireless data transfer:
between the weighing unit and the evaluation unit using an integrated radio module.

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

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 at the touch of a key. 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

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

Stainless steel:
The balance is protected against corrosion

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 rechargable:
Prepared for a rechargable battery operation

Universal mains adapter:
with universal input and optional input socket adapters for A) EU, GB; C) EU, GB, CH, USA, AUS.

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

Power supply:
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 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.

Your KERN specialist dealer