Chair scale KERN MCB

Mobile chair scale with four steerable wheels – with EC type approval and approval for professional medical use in medical diagnostics

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Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- **1** Mobile version with particularly convenient locking brakes on all four wheels
- With its four wheels, this chair scale provides maximum mobility in bringing the scale to the patient. This ensures more efficient use of time for the clinic staff and greater safety for the patients who can be weighed in their familiar environment
- The four steerable rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators
- This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centres and clinics with lots of patients, and can weigh overweight people up to 300 kg
- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
- **2** Two foldable armrests and footrests make transfers into the chair easier. Ideal for overweight patients or barrier-free use, e.g. for transfers from a bed to the scale
- Hold function: When patients do not sit 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
- Ergonomic display device with large numerical keypad and high-contrast LCD display for easy entry and reading of patient data, such as, for example, the height for calculating the BMI
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- **3** LCD display, digit height 25 mm
- Dimensions of display device W×D×H 210×110×50 mm
- Dimensions of seating surface W×D 380×360 mm
- Overall dimensions W×D×H 647×860×910 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard
- Net weight approx. 22 kg

Accessories

- 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 50 h without backlight, charging time approx. 14 h, KERN FOB-A08
- Interface cable RS-232 to connect an external device, KERN MPS-A08
- Matrix needle printer, KERN YKN-01
- Universal label printer, KERN YKE-01
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

* 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.

STANDARD					OPTION	FACTORY
RS 232	MOVE	BATT	MULTI	2 DAYS	ACCU	M +3 DAYS *

Model	Weighing capacity	Readability	Verification value	Mandatory by law **Verification**
KERN	[Max] kg	[d] kg	[e] kg	KERN
MCB 300K100M	300	0,1	0,1	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 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