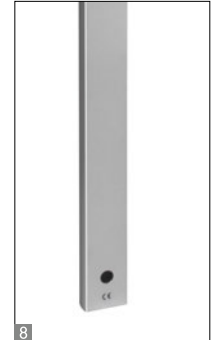
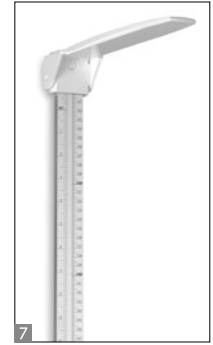
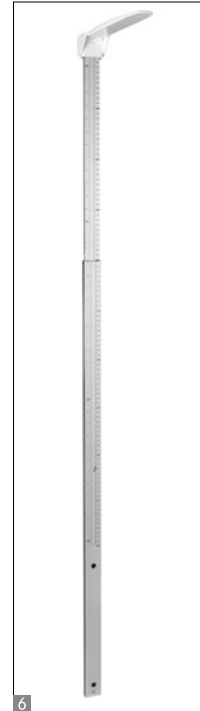


Height rods KERN MSB · MSC · MSF

APPROVED MEDICAL DEVICE



When every centimetre counts – mechanical height rods approved as a medical device for professional use in medical diagnostics

3 KERN MSB 80
Portable mechanical height rod

Features

- Approved as a medical device according to 93/42/EEC
- For babies of up to 80 cm
- Measuring range 10–80 cm; increments of 1 mm
- Large guide surfaces make handling easier (aligning, shifting, reading)
- **4** Measuring scale begins with 0 on the right and left, so it can be used in both directions
- Height rod can be taken apart for compact storage
- Overall dimensions max. W×D×H 890×330×100 mm
- Net weight approx. 0,7 kg

5 KERN MSC 100
Portable mechanical height rod

Features

- Approved as a medical device according to 93/42/EEC
- For infants up to a maximum of 100 cm
- Measuring range 6,5–100 cm (2½–39¼ inch); increments of 1 mm (1/16 inch)
- Readability on scale with moveable stop
- Sturdy aluminium profile
- Stop can be folded for compact storage
- Overall dimensions max. W×D×H 1040×290×55 mm
- Net weight approx. 0,8 kg

6 KERN MSF 200
Mechanical height rod

Features

- Approved as a medical device according to 93/42/EEC
- Measuring range 60–205 cm (23½–78¾ inch); increments of 1 mm (1/16 inch)
- **7** Readability on scale with moveable, foldable stop or mounting on KERN scales MPS-PM (page 14), MPB-P (page 16) or **8** wall-mounted
- Sturdy aluminium profile
- Overall dimensions max. W×D×H 60×330×1630 mm
- Net weight approx. 0,7 kg

STANDARD



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



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



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



ZERO:
Resets the display to "0"



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



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 100W mercury lamp and filter



Fluorescence illumination for compound microscopes:
With 3W 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 compensation:
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