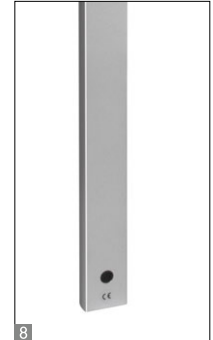
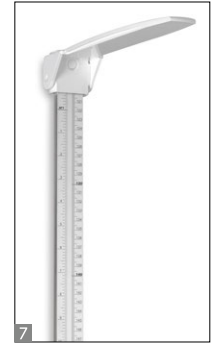
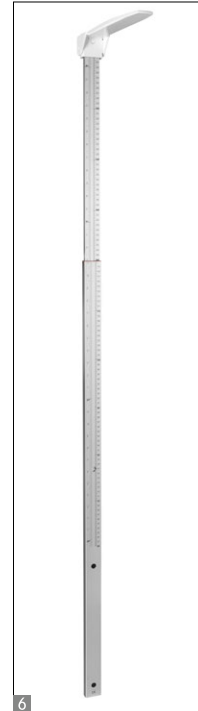


Height rods KERN MSB · MSC · MSF

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 in length
- Measuring range 10–80 cm; increments of 1 mm
- Large guide surfaces make handling easier (aligning, shifting, reading)
- 4 Measuring scale begins with 0 at 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 in length
- Measuring range 6,5–100 cm (2½–39¼ inch); increments of 1 mm (1/16 inch)
- Readability on scale with moveable stop
- Sturdy aluminum 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 aluminum 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.	 ZERO: Resets the display to "0"	 360° rotatable microscope head
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Hold function: When patients do not stand, sit or lie completely still, a stable weight is calculated using an average weight	 Monocular Microscope: For the inspection with one eye.
 Data interface RS-232: To connect the balance to a printer, PC or network	 Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value.	 Binocular Microscope: For the inspection with both eyes
 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	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.	 Trinocular Microscope: For the inspection with both eyes and the additional option for the connection of a camera
 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	 Stainless steel: The balance is protected against corrosion.	 Abbe Condenser: With high numerical aperture for the concentration and the focusing of light.
 Bluetooth® data interface: To transfer data from the balance to a printer, PC or other peripherals	 Suspended weighing: Load support with hook on the underside of the balance.	 Halogen illumination: For pictures bright and rich in contrast.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	 LED illumination: Cold, energy saving and especially long-life illumination.
 Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.	 Rechargeable battery pack: Rechargeable set.	 Fluorescence illumination for compound microscopes: With 100W mercury lamp and filter.
 PC Software: to transfer the measurements from the device to a PC	 Battery operation rechargeable: Prepared for a rechargeable battery operation	 Fluorescence illumination for compound microscopes: With 3W LED illumination and filter.
 GLP/ISO-Protokoll: With date and time. Only with KERN printers	 Universal mains adapter: with universal input and optional input socket adapters for A) EU, CH B) EU, CH, GB, USA	 Phase contrast unit: For a higher contrast.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.	 Darkfield condenser/unit: For a higher contrast due to indirect illumination
 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Weighing principle: Strain gauges Electrical resistor on an elastic deforming body.	 Polarising unit: To polarise the light.
 Weighing units: Can be switched to e.g. nonmetric units at the touch of a key. Please refer to website for more details	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.	 Infinity system: Infinity corrected optical system.
 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	 Peak hold function: capturing a peak value within a measuring process.	 Automatic temperature compensation: For measurements between 10 °C and 30 °C
	 Push and Pull: the measuring device can capture tension and compression forces.	 Verification possible: The time required for verification is specified in the pictogram.
	 Integrated scale: In the eyepiece.	 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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