MEDICAL SCALES 2021



Tape for measuring circumference KERN MSW · MBA-A01

PROFESSIONAL CARE

APPROVED MEDICAL DEVICE



Circumference measuring tape and height rods for professional use in medical diagnostics

KERN MSW 200

Convenient tape for measuring circumference with convenient pull-out mechanism

Features

- Continous pull-out measuring tape for e.g. precise measurement around the body
- Ideal to determine the WHR (Waist-to-Hip-Ratio), which can give information about the distribution of the body's fat deposits using an indirect determination of abdominal fat
- Useful diagnosis instrument
- With integrated feed mechanism
- The easiest handling:
- Pull out the measuring tape,
- Hang it in the recess provided for this,
- Operate the feed mechanism,
- Read measurement value with millimetre precision
- Measuring tape length 2,05 m (80 inch)
- Net weight approx. 0,05 kg
- **Note:** The models are only delivered in a set of 5 units. The price refers to a delivery of 5 items. Cannot be delivered individually.

KERN MBA-A01 Portable mechanical height rod

Features

- Robust construction
- Compact size
- Easy and hygienic cleaning
- For babies up to a maximum of 80 cm
- Measuring range 30–80 cm (11,8-31,5 inch); increments of 1 mm (0,04 inch)
- $\boldsymbol{\cdot}$ Readability on scale with moveable stop
- Large guide surfaces make handling easier (aligning, shifting, reading)
- Overall dimensions max. W×D×H 850×240×60 mm
- Net weight approx. 0,36 kg



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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.



To connect the balance to a printer, PC or network

Data interface RS-232:



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,



PC Software: to transfer the measurements from the device to a PC



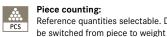
KCP

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

standard deviation etc.

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

 \mathbb{H}^{\prime} SUM

 \mathcal{C}

UNIT

⊙ 3,0

TOL

together and the total can be printed out

Totalising level A:

Weighing units: Can be switched to e.g. nonmetric units at

The weights of similar items can be added

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

Your KERN specialist dealer





When the weighing conditions are unstable. a stable weight is calculated as an average value



ZERO: Resets the display to "0"



splashes IPxx: The type of protection is shown in the pictogram

Protection against dust and water

Suspended weighing: Ē Load support with hook on the underside UNDER of the balance

Ready for battery operation. The battery

type is specified for each device



BATT

ACCU

Rechargeable battery pack: Rechargeable set

Universal mains adapter:

Battery operation:



with universal input and optional input socket adapters for A) EU, CH; B) EU. CH. GB. USA



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

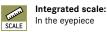
Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request



Peak hold function: capturing a peak value within a measuring process



Push and Pull: the measuring device can capture tension and compression forces



360° rotatable Ö microscope head 360



Monocular Microscope: For the inspection with one eye



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BINO

Trinocular Microscope:

Binocular Microscope:

For the inspection with both eyes and the additional option for the connection of a camera

For the inspection with both eyes

Abbe Condenser:

With high numerical aperture for the concentration and the focusing of light



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ABBE

Halogen illumination: For pictures bright and rich in contrast

Ð LED

LED illumination:

Cold, energy-saving and especially long-life illumination



Fluorescence illumination for compound microscopes:



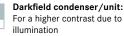
Fluorescence illumination for compound microscopes: With 3W LED illumination and filter

With 100W mercury lamp and filter



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Phase contrast unit: For a higher contrast



For a higher contrast due to indirect



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







Weighing principle: Strain gauges Electrical resistor on an elastic



deforming body







