



## KERN MSW 200 Handy Scope Meter Instructions

[Home](#) » [KERN](#) » KERN MSW 200 Handy Scope Meter Instructions 



**MEDICAL SCALES 2022**

**Tape for measuring circumference KERN MSW · MBA-A01**

**PROFESSIONAL CARE**

**APPROVED MEDICAL DEVICE**

### Contents

[1 MSW 200 Handy Scope Meter](#)

[2 Features](#)

[3 Documents / Resources](#)

[3.1 References](#)

[4 Related Posts](#)

**MSW 200 Handy Scope Meter**



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

1. KERN MSW 200 Convenient tape for measuring circumference with convenient pull-out mechanism
2. KERN MBA-A01 Portable mechanical height rod

## Features

- Continuous pull-out measuring tape for precise measurement e.g. around the body
- Ideal to determine the WHR (Waist-to-HipRatio), which can give information about the distribution of the body's fat deposits using an indirect determination of abdominal fat
- Useful diagnosis instrument
- 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. That means the price refers to a delivery of 5 units. Cannot be delivered individually.
- 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)
- 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
















## 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


	<p>Weighing units: Can be switched to e.g. nonmetric units. Please refer to website for more details</p>
	<p>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</p>
	<p>Hold function: When patients do not stand, sit or lie completely still, a stable weight is calculated using an average weight</p>
	<p>Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value</p>
	<p>ZERO: Resets the display to "0"</p>
	<p>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</p>
	<p>Suspended weighing: Load support with hook on the underside of the balance</p>
	<p>Battery operation: Ready for battery operation. The battery type is specified for each device</p>
	<p>Rechargeable battery pack: Rechargeable set</p>
	<p>Universal plug-in power supply: with universal input and optional input socket adapters for A) EU, CH; B) EU, CH, GB, USA</p>
	<p>Plug-in power supply: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available</p>
	<p>Integrated power supply unit: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request</p>
	<p>Weighing principle: Strain gauges Electrical resistor on an elastic deforming body</p>
	<p>Peak hold function: capturing a peak value within a measuring process</p>
	<p>Push and Pull: the measuring device can capture tension and compression forces</p>

	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 compensation: For measurements between 10 °C and 30 °C

	<p>Verification possible: The time required for verification is specified in the pictogram</p>
	<p>Package shipment: The time required for internal shipping preparations is shown in days in the pictogram</p>
	<p>Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram</p>

**Your KERN specialist dealer**

## Documents / Resources

	<p><a href="#">KERN MSW 200 Handy Scope Meter</a> [pdf] Instructions TMBA-A01-A, MSW 200, MBA-A01, MSW 200 Handy Scope Meter, Handy Scope Meter, Scope Meter, Meter</p>
--	---

## References

- [KERN & SOHN: Waagen, Mikroskope & Messinstrumente](#)