

# APPROVED MEDICAL DEVICES



**Medical personal scales** are understood to be all non-automatic scales that are intended to be used to determine the body weight in medical applications (e.g. patient, baby and chair scales, verified according to class). These scales are regulated by European Directive 2014/31/EU.

Medical personal scales are also governed by the regulations for medical devices that are placed on the market in accordance with European Directive 93/42/EEC.

All models in the Approved Medical Devices category are balances which require verification and which can be used in medical applications.

**Approved Medical Devices – Types of scales for medical applications that require mandatory verification:**

This includes all balances which are used for determining body weight in medical applications. Determining weight is used for prognosis, diagnosis, prevention, monitoring, treatment or alleviation of illnesses.

Verified medical personal scales with a maximum resolution of 3000 digits are classified as Verification Class III (see type plate).

Any balance which is going to be used in medical applications must be registered with the metrological authority within six weeks of commissioning in accordance with § 32 MessEG (Weights and Measures Act).

The requirements for re-verification are based on national regulations. In Germany, for example, this is the Verification Ordinance. The operator of the scale is obliged to ensure that the national requirements are met and that the conformity assessment markings remain intact.

KERN & SOHN GmbH does not accept responsibility for this.



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

### MSB 80

- Portable mechanical height rod
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- For babies up to a maximum of 80 cm
- Large guide surfaces make handling easier (aligning, shifting, reading)
- 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


### MBA-A01

- Portable mechanical height rod
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- For babies up to a maximum of 80 cm
- Robust construction
- Compact size
- Easy and hygienic cleaning
- Readout on scale with moveable stop
- Large guide surfaces make handling easier (aligning, shifting, reading)

### MSC 100

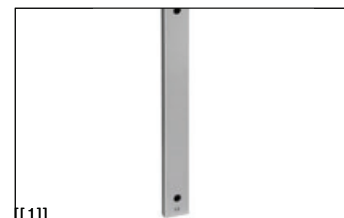
- Portable mechanical height rod
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- For infants up to a maximum of 100 cm
- Readout on scale with moveable stop
- Sturdy aluminium profile
- Stop can be folded for compact storage

### MSF 200

- Mechanical height rod
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Readability on scale with moveable, foldable stop
- Readout on scale with moveable, foldable stop or mounting on KERN scales MPS-PM, MPB-P or wall-mounted 
- Sturdy aluminium profile



STANDARD

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Model	Measuring range	Increments	Overall dimensions	Net weight approx.	Price excl. of VAT ex works €
KERN	cm (inch)	mm (inch)	W×D×H mm	kg	
<b>MSB 80</b>	10 – 80	1	882×70×28	0,70	<b>110,-</b>
<b>MBA-A01</b>	30 – 80 (11½ – 31½)	1 (1/16)	850×240×60	0,40	<b>120,-</b>
<b>MSC 100</b>	7,5 – 100 (2½ – 39¼)	1 (1/16)	1020×290×50	0,70	<b>110,-</b>
<b>MSF 200</b>	60 – 205 (23½ – 78¾)	1 (1/16)	53×40×1000	0,80	<b>110,-</b>



**Elegantly-shaped baby scale – with approval for professional mobile or stationary medical use in medical diagnostics, verification optional**





Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- The large tray, with its optimal ergonomic curvature, is ideal for the safe weighing of babies
- 1 Special function for neonatology centres: Difference function for calculating the weight gain before and after feeding
- Robust ABS plastic. Easy and hygienic cleaning
- Secure and non-slip positioning with rubber feet
- Hold function: While weighing patients that are unable to lie still, a mean average weight value is determined
- KERN MBC: Protective working cover included with delivery
- KERN MBC-E: Identical in construction to KERN MBC but without mains adapter, especially suitable for mobile use, e.g. for midwives

Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions of tray W×D 600×276 mm
- Overall dimensions W×D×H 320×410×70 mm
- Overall dimensions incl. optional height rod W×D×H 600×410×112 mm
- KERN MBC: Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- KERN MBC-E: Batteries included, 6×1.5 V AA, operating time up to 20 h
- Net weight approx. 4,6 kg

Accessories

- 2 Mechanical height rod to fix to the scale, measuring range 10 cm – 80 cm, increments of 1 mm, KERN MBC-A01, € 157,-
- 3 Carrying case for mobile use, only for models without height rod, KERN MBC-A02, € 55,-

- 4 Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, € 44,-
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, only in combination with KERN YKA-44, KERN MBC-A08, € 50,-
- Alcohol-free cleaning cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., KERN MYC-01, € 55,-
- External mains adapter, 100 V – 240 V, Standard EU, CH, UK, US, AUS, KERN YKA-43, € 95,-
- External mains adapter, 100 V – 240 V, Standard EU, KERN YKA-44, € 49,-

STANDARD

MBC

OPTION

MBC-E

FACTORY

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Model	Weighing capacity	Readability	Verification value	Price excl. of VAT ex works €	Mandatory by law Verification	
KERN	[Max] kg	[d] kg	[e] kg		 KERN	€
MBC 15K2DEM	6   15	0,002   0,005	0,002   0,005	370,-	965-128.	46,-
MBC 15K2DM	6   15	0,002   0,005	0,002   0,005	410,-	965-128.	46,-
MBC 20K10EM	20	0,01	0,01	370,-	965-128.	46,-
MBC 20K10M	20	0,01	0,01	410,-	965-128.	46,-

\*Within the EU, official verification (conformity assessment in accordance with NAWI 2014/31/EU) is mandatory by law for scales that are intended for use as a medical device. Please order this where you state the location of installation and postcode.