

MEDICAL SCALES

for clinics, doctor's surgeries and care facilities



2013

Index

Height rods	page
MSB · MSC · MSF	3
When every centimetre counts – mechanical height rods approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Baby scales	
MBB	4
Baby scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
MBC	6
Elegantly-shaped baby scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Personal scales	
MPE	8
Professional personal floor scale with BMI function – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
MPS	10
Professional personal floor scale with BMI function – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
MPC · MPD	12
Professional Step-on personal floor scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Obesity scales	
MPT	14
Compact personal floor scale with obesity range – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
MXS	16
Obesity scale for overweight patients – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Wheelchair platform scale	
MWS	18
Wheelchair platform scale with low overall height for easy access – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Handrail scale	
MTS	20
Affordable handrail scale for a secure feeling during weighing – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Chair scales	
MCB	22
Mobile chair scale with four wheels – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
MCC	24
Ergonomically optimised chair scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics	
Force Gauges	
MAP	26
Hand grip dynamometer, e. g. for rehabilitation treatment after accidents	
FK · FH	28
Force measurement for medical applications	
Pharmacy balances	
KB · EG · ABJ	30
Highly-accurate precision balances for laboratories, hospitals and pharmacies	

KERN Pictograms



Internal adjusting (CAL):
Quick setting of the balance's accuracy with internal adjusting weight (motordriven).



Rechargeable battery pack:
rechargeable set.



Adjusting program (CAL):
For quick setting of the balance's accuracy. External adjusting weight required.



Mains adapter:
230V/50Hz in standard version for Germany. On request GB, AUS or USA version.



Data interface RS-232:
To connect the balance to a printer, PC or network



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



GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.



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



Piece counting:
Reference quantities selectable. Display can be switched from piece to weight



Statistics:
using the saved values, the device calculates statistical data, such as average value, standard deviation, etc.



Net-total weighing:
weight of tare cup and weight of components memorized in two separate stores.



PC software:
to transfer the measurements from the device to a PC.



Percentage determination:
Displays the deviation from the reference weight (100 %) in % instead of grams.



Switch / Analog Output



Weighing units:
Can be switched to e. g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's web-site for more details.



Verification possible:
The time required for verification is specified in the pictogram.



Weighing with tolerance range: Upper and lower limiting can be programmed individually, e. g. dosing/ sorting and portioning.



DKD calibration possible:
The time required for DKD calibration is shown in days in the pictogram.



Vibration-free weighing:
Vibrations are filtered out so that a stable weight is obtained.



Package shipment:
The time required to manufacture the product internally is shown in days in the pictogram.



Suspended weighing:
load support with hook on the underside of the balance.



Pallet shipment:
The time required to manufacture the product internally is shown in days in the pictogram.



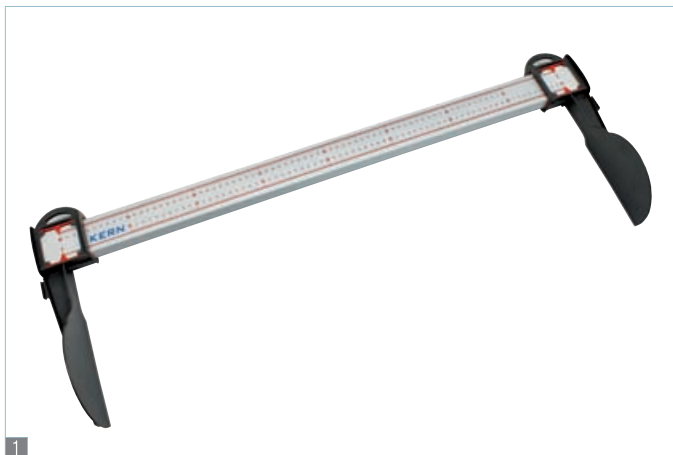
Battery operation:
Ready for battery operation. The battery type is specified for each device.



Warranty:
The warranty period is shown in the pictogram.

KERN MSB · MSC · MSF height rods

When every centimetre counts – mechanical height rods approved as a medical device and with EC type approval class III for professional use in medical diagnostics



KERN MSB 80 Portable mechanical height rod

Features:

- Verification class III (verification is optional)
- 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)
- **1** 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. WxDxH 890x330x100 mm
- Net weight approx. 0,7 kg
- **KERN MSB 80, € 75,-**



KERN MSC 100 Portable mechanical height rod

Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- **2** 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)
- Foldable stop
- Readout on scale with moveable stop
- Sturdy aluminum profile
- **3** Stop can be folded for compact storage
- Overall dimensions max. WxDxH 1040x290x55 mm
- Net weight approx. 0,8 kg
- **KERN MSC 100, € 95,-**



KERN MSF 200 Mechanical height rod

Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- **4** For mounting on KERN scales MPS-PM (page 10), MTS-M (page 20) or **5** wall-mounted
- Measuring range 60 – 200 cm (23½ – 78¾ inch); increments of 1 mm (1/16 inch)
- **6** Readout on scale with moveable, foldable stop
- Sturdy aluminum profile
- Overall dimensions max. WxDxH 60x330x1630 mm
- Net weight approx. 0,7 kg
- **KERN MSF 200, € 90,-**

STANDARD

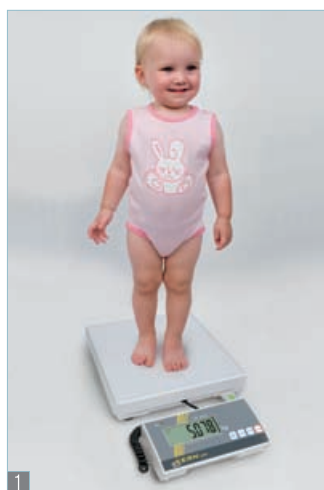


KERN MBB Baby scale

Baby scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



KERN MBB

Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Large, ergonomically optimised tray for safe weighing of neonates
- Removable tray enables use as a scale for infants as well
- Robust ABS plastic. For easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless babies
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the small patient and then read the weight in peace
- Battery- or mains-powered, rechargeable battery operation optional
- Wall mount for the display device

Technical data:

- LCD display, digit height 25 mm
- Dimensions of tray WxD 550x240 mm
- Dimensions of weighing plate WxDxH 250x250x70 mm
- Dimensions of display device WxDxH 210x110x50 mm
- Overall dimensions WxDxH 560x288x136 mm
- Cable length of display device approx. 50 cm
- Battery operation possible, 6 x 1.5V AA, not included, operating time approx. 120 h
- Mains adapter (external) included
- Net weight approx. 4 kg

Accessories:

- Carrying case for mobile use, **KERN MBB-A02, € 60,-**
- Stand to elevate display device, height of stand approx. 450 mm, **KERN EOB-A01, € 60,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**
- Rechargeable battery pack internal, operating time approx. 50 h without backlight, charging time approx. 24 h, **KERN FOB-A08, € 35,-**

Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.

STANDARD



OPTION



FACTORY





Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN MBB 15K2DM	6 15	0,002 0,005	0,005	370,-	965-128	23,-	963-128	80,-

KERN MBC Baby scale

Elegantly-shaped baby scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics





**Features:**


- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Popular in paediatrics, because it has a large weighing pan, which is ergonomically rounded and therefore ideally suited for weighing neonates
-  Special function for neonatology centres: Difference function for calculating the weight gain before and after feeding
-  Robust ABS plastic. For easy and hygienic cleaning
- Secure and non-slip positioning with rubber feet
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless babies
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ for 10 sec. until the HOLD key is pressed. This leaves sufficient time to read the weight in peace

Technical data:

- Backlit LCD display, digit height 25 mm
- Dimensions of tray WxDxH 600x280x55 mm
- Overall dimensions WxDxH 600x400x110 mm
- Overall dimensions incl. optional height rod WxDxH 890x460x170 mm
- Mains adapter (external) included
- Net weight approx. 5,5 kg

Accessories:

-  Mechanical height rod to fix to the scale, measuring range 80 cm, increments of 1 mm, **KERN MBC-A01, € 90,-**
-  Carrying case for mobile use, without the measuring stick fitted, **KERN MBC-A02, € 45,-**
- Rechargeable battery pack internal, operating time approx. 40 h without backlight, charging time approx. 12 h, **KERN MBC-A03, € 50,-**

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STANDARD**OPTION****FACTORY**

Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN								
MBC 15K2DM	6 15	0,002 0,005	0,002 0,005	240,-	965-128	23,-	963-128	80,-
MBC 20K10M	20	0,01	0,01	240,-	965-128	23,-	963-128	80,-

KERN MPE Personal floor scale

Professional personal floor scale with BMI function – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



NEW



KERN MPE-PM:
with stand

KERN MPE-HM:
with stand and
height rod



Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- **1** Practical second display on the back of the balance, which makes it easy for both the patient and medical nursing staff to read the weight
- **2** The MPE-HM model has an elegant height rod integrated into the column, which can be pulled out for use and which has a measuring range from 88-200 cm
- The ergonomically optimised shape and robust design mean that this range is ideal for daily use in a professional environment
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Large platform with non-slip and wear-resistant surface for a secure footing
- For easy and hygienic cleaning
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ for 10 sec. This leaves sufficient time to read the weight in peace
- Mother and child function: the mother's weight will be taken and then the scale will be reset to zero at the push of a button. Then the mother and baby can be weighed together. The weight of the child will now be shown on the display. This is particularly good for infants, as this way they can be cradled, safe and sound, in the arms of their mother while being weighed

- BMI function to determine normal weight/surplus weight
- High resolution readout: Read-out **[d]** for 5 sec. increased by one decimal place at the touch of a key
- **3** 2 wheels for easy transportation of the scale

Technical data:

- Backlit LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 365x360x80 mm
- Overall dimensions MPE-HM: WxDxH 365x620x2125 mm (with extracted height rod), MPE-PM: WxDxH 365x450x1020 mm
- Mains adapter (external) included
- Data interface RS-232 standard
- Net weight approx. 12 kg

Accessories:

- Rechargeable battery pack internal, operating time approx. 40 h without backlight, charging time approx. 12 h, **KERN MBC-A03, € 50,-**
- Interface cable RS-232 to connect an external device, **KERN CFS-A01, € 46,-**

4 Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.

STANDARD



OPTION



FACTORY



4

Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN								
MPE 250K100PM	250	0,1	0,1	340,-	965-129	46,-	963-129	95,-
MPE 250K100HM	250	0,1	0,1	395,-	965-129	46,-	963-129	95,-

KERN MPS Personal floor scale

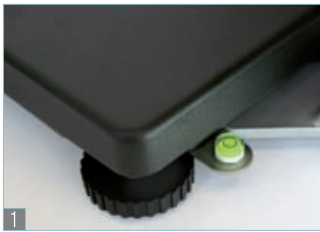
Professional personal floor scale with BMI function – approved as a medical device and with EC type approval class III for professional use in medical diagnostics





KERN MPS-PM
with stand



KERN MPS-M
with free-standing
display device



Features:



- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Thanks to its compact dimensions and the good price/performance ratio, this range is ideally suited for use in treatment rooms in doctor's surgeries and hospitals
- Ergonomic display device with large numerical keypad and high-contrast LCD display for easy entry and reading of patient data, such as, for example, the height for calculating the BMI
- Sturdy steel weighing plate with a non-slip and wear-resistant surface
- For easy and hygienic cleaning
-  Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the patient and then read the weight in peace
- BMI function to determine normal weight/surplus weight
-  Wall mount for the display device


Technical data:

- LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 275x295x58 mm
- Dimensions of display device WxDxH 210x110x50 mm

- Only MPS-PM: Overall dimensions (incl. stand) WxDxH 275x460x1015 mm
- Cable length of display device (only for models without a stand) approx. 120 cm
- Battery operation possible, 6 x 1.5V AA, not included, operating time approx. 57 h
- Mains adapter (external) included
- Data interface RS-232 standard
- MPS-M approx. 4,8 kg; MPS-PM approx. 6 kg

Accessories:

-  Sturdy transport case to protect and store the scale, only for model without a stand, **KERN MPS-A07, € 100,-**
-  Mechanical height rod, measuring range 60 - 200 cm, can be screwed onto the stand (MPS-PM), or wall-mounted, Approved as a medical device according to 93/42/EEC, **KERN MSF 200, € 90,-**
- Interface cable RS-232 to connect an external device, **KERN MPS-A08, € 46,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**
- Rechargeable battery pack internal, operating time approx. 50 h without backlight, charging time approx. 24 h, **KERN FOB-A08, € 35,-**

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STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN								
MPS 200K100M	200	0,1	0,1	320,-	965-129	46,-	963-129	95,-
MPS 200K100PM	200	0,1	0,1	370,-	965-129	46,-	963-129	95,-

KERN MPC · MPD Personal floor scales

Professional Step-on personal floor scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



KERN MPD
Step-on personal floor scale



KERN MPC
Personal floor scale



Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- The bestseller for doctor's surgeries, pharmacies and hospitals: easy to use with no time wasted – simply tap on it, stand on it, read the weight
- Robust design for daily use in a professional environment
- Ergonomically optimised design
- For easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Large platform with non-slip and wear-resistant surface for a secure footing

Additional features of the KERN MPC:

- BMI function to determine normal weight/surplus weight
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ for 10 sec. This leaves sufficient time to read the weight in peace
- Mother and child function: the mother's weight will be taken and then the scale will be reset to zero at the push of a button. Then the mother and baby can be weighed together. The weight of the child will now be shown on the display. This is particularly good for small children, as this way they can be cradled, safe and sound, in the arms of their mother while being weighed

- High resolution readout: Read-out **[d]** for 5 sec. increased by one decimal place at the touch of a key
- Flexible positioning of display device, e. g. free-standing or mounted to the wall. Wall mount for display device standard

Technical data:

- Backlit LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 365x360x80 mm
- Dimensions of display device WxDxH 200x128x55 mm
- Only KERN MPC: Cable length of display device approx. 200 cm
- Mains adapter (external) included
- Net weight approx. 10 kg

Accessories:

- Rechargeable battery pack internal, operating time approx. 40 h without backlight, charging time approx. 12 h, **KERN MBC-A03, € 50,-**

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STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN								
MPC 250K100M	250	0,1	0,1	260,-	965-129	46,-	963-129	95,-
MPD 250K100M	250	0,1	0,1	240,-	965-129	46,-	963-129	95,-

KERN MPT Obesity scale

Compact personal floor scale with obesity range – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



**Features:**

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Ideally suited for hospitals, clinics and doctor's surgeries as well as for mobile applications such as home visits or at sports events
- Thanks to the wide weighing range from 0 to 300 kg, this scale can be used to weigh children, adults of normal weight and overweight persons
- **1** Large platform with non-slip and wear-resistant surface for a secure footing
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Robust and compact design
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the patient and then read the weight in peace
- BMI function to determine normal weight/surplus weight
- **2** Wall mount for the display device standard
- **3** Sturdy handle for easy transportation of the scale

Technical data:

- LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 450x340x90 mm
- Dimensions of display device WxDxH 210x110x50 mm
- Cable length of display device approx. 150 cm
- Battery operation possible, 6 x 1.5V AA, not included, operating time approx. 57 h
- Mains adapter (external) included
- Net weight approx. 8,5 kg

Accessories:

- **4** Stand to elevate display device, height of stand approx. 950 mm, **KERN MWS-A01, € 140,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**
- Rechargeable battery pack internal, operating time approx. 50 h without backlight, charging time approx. 24 h, **KERN FOB-A08, € 35,-**

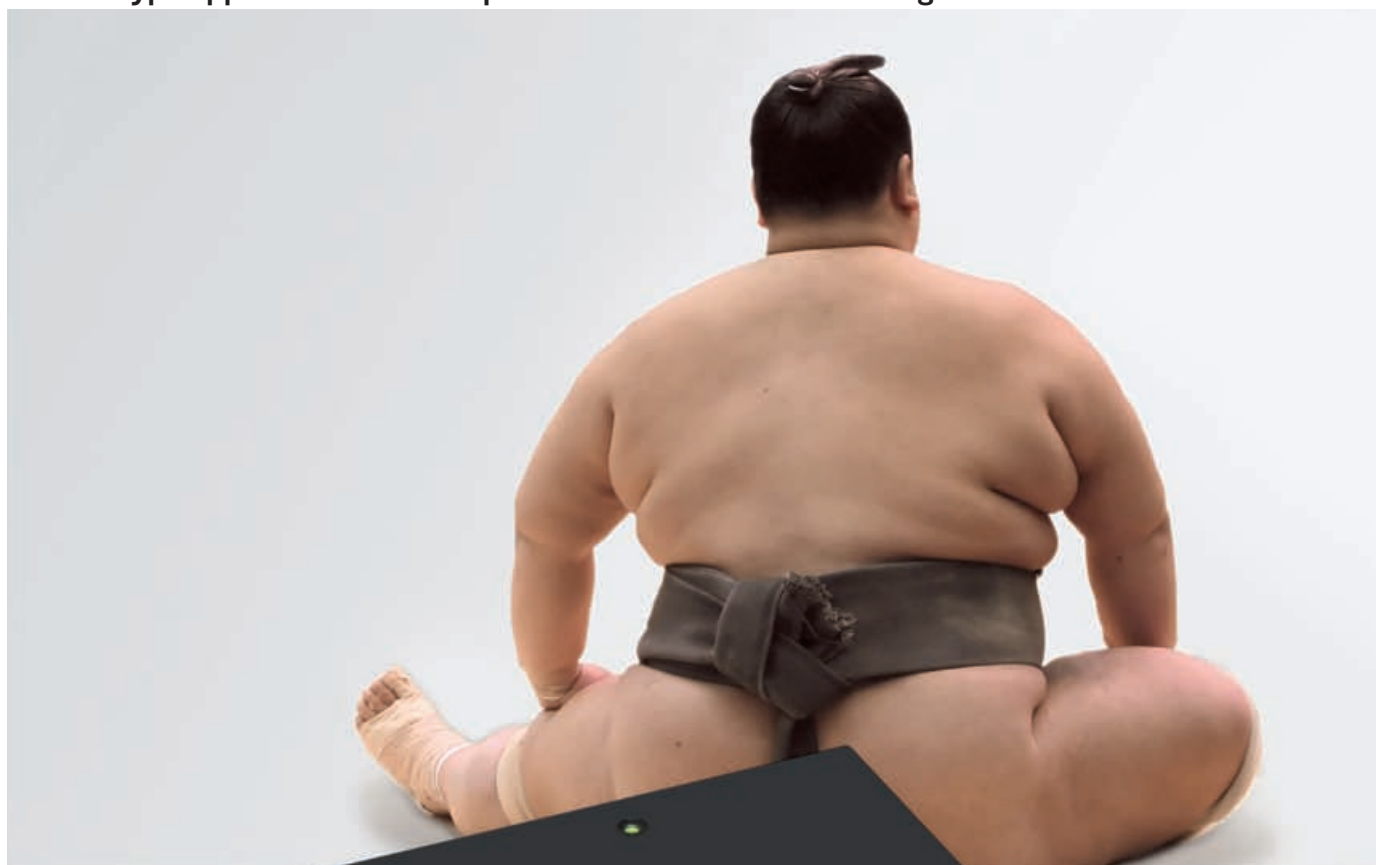
5 Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.

STANDARD**OPTION****FACTORY****5**

Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN MPT 300K100M	300	0,1	0,1	530,-	965-129	46,-	963-129	95,-


KERN MXS Obesity scale

Obesity scale for overweight patients – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



KERN MXS-M


Features:


- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Ideal scale for bariatrics for weighing obese patients, thanks to the large, stable weighing platform and low-profile design, which makes it easier to step on the scale or to position a chair, etc.
- Sturdy steel weighing plate with a non-slip and wear-resistant surface
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the patient and then read the weight in peace
- BMI function to determine normal weight/surplus weight
- Ergonomic display device with large numerical keypad and high-contrast LCD display for easy entry and reading of patient data, such as, for example, the height for calculating the BMI
-  Wall mount for the display device
- Battery- or mains-powered

Technical data:

- LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 550x550x62 mm
- Dimensions of display device WxDxH 210x110x50 mm
- Cable length of display device approx. 170 cm
- Battery operation possible, 6 x 1.5V AA, not included. operating time approx. 70 h
- Mains adapter (external) included
- Net weight approx. 14,5 kg

Accessories:

-  Stand to elevate display device, height of stand approx. 950 mm, **KERN MWS-A01, € 140,-**
- Interface cable RS-232 to connect an external device, **KERN MPS-A08, € 46,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**

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STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN MXS 300K100M	300	0,1	0,1	930,-	965-129	46,-	963-129	95,-

KERN MWS Wheelchair platform scale

Wheelchair platform scale with low overall height for easy access – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



NEW



Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Especially suitable for weighing patients in wheelchairs, because the low-profile platform can be approached from either side and it has a memory function for tare weights for up to five (power) wheelchairs
- The large steel weighing plate with non-slip and wear-resistant surface mean that it is also ideal for weighing obese patients
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the patient and then read the weight in peace
- BMI function to determine normal weight/surplus weight
- 1 2 The scale can be easily transported using 2 rollers and a handle and does not require much storage space
- 3 Two balances in one: With the practical KERN MWS-A02 handrail set, the wheelchair platform scale can be converted quickly and easily into a multi-function scale. In this way patients can be weighed standing up on their own, using the support of the handrail or in a wheelchair. For a more ergonomic system the display device can be fitted directly onto the handrail

Technical data:

- LCD display, digit height 25 mm
- Dimensions of display device WxDxH 210x110x50 mm
- Overall dimensions
MWS 300K100M WxDxH 1155x800x66 mm
MWS 400K100DM WxDxH 1255x1060x69 mm
- Overall dimensions inkl. MWS-A02 WxDxH 1155x820x1070 mm
- Cable length of display device approx. 180 cm
- Battery operation possible, 6 x 1.5 V AA, not included, operating time approx. 70 h
- Mains adapter (external) included
- Net weight approx. 28,4 kg

Accessories:

- 3 Handrail set to fit to the wheelchair platform scale KERN MWS 300K100M, WxDxH approx. 1150x60x900 mm. Scope of supplies: two handrails, a stability bar, fasteners, Factory option, **KERN MWS-A02, € 590,-**
- Interface cable RS-232 to connect an external device, **KERN MPS-A08, € 46,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**
- Rechargeable battery pack internal, operating time approx. 50 h without backlight, charging time approx. 24 h, **KERN FOB-A08, € 35,-**

STANDARD					OPTION		FACTORY	
RS 232	MOVE	BATT	230 V	1 DAY	3 YEARS WARRANTY	ACCU	DKD +3 DAYS	M +3 DAYS

4 Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.



Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Weighing plate mm	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
						KERN	€	KERN	€
MWS 300K100M	300	0,1	0,1	900x740	1150,-	965-129	46,-	963-129	95,-
MWS 400K100DM	300 400	0,1 0,2	0,1 0,2	1000x1000	1220,-	965-130	75,-	963-130	150,-

KERN MTS Handrail scale

Affordable handrail scale for a secure feeling during weighing – approved as a medical device and with EC type approval class III for professional use in medical diagnostics




Features:


- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Ideal for care homes, centres for geriatric medicine, internal medicine and much more
- The sturdy support structure makes it possible for fragile, weak patients to stand safely, and, at the same time, for an accurate weight reading to be taken
- Large platform with non-slip and wear-resistant surface for a secure footing
- Low platform height facilitates access
- Secure and non-slip positioning with height-adjustable rubber feet. Level indicator to level the balance precisely
- Vibration-free weighing: Vibrations are filtered out so that a stable weight is obtained, ideal for restless patients
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the patient and then read the weight in peace
- BMI function to determine normal weight/surplus weight
-  Ergonomic display device with large keys and a high-contrast LCD display for easy entry and reading of patient data or the height for calculating the BMI
-  2 wheels for easy transportation of the scale

Technical data:

- LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 550x550x62 mm
- Dimensions of display device WxDxH 210x110x50 mm
- Overall dimensions WxDxH 550x550x1100 mm
- Battery operation possible, 6 x 1.5V AA, not included, operating time approx. 70 h
- Mains adapter (external) included
- Net weight approx. 20 kg

Accessories:

-  Mechanical height rod, measuring range 60 - 200 cm, can be screwed onto the stand or wallmounted, approved as a medical device according to 93/42/EEC, **KERN MSF 200, € 90,-**
- Interface cable RS-232 to connect an external device, **KERN MPS-A08, € 46,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**
- Rechargeable battery pack internal, operating time approx. 50 h without backlight, charging time approx. 24 h, **KERN FOB-A08, € 35,-**

 Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.

STANDARD



OPTION



FACTORY



4

Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
KERN MTS 300K100M	300	0,1	0,1	1020,-	965-129	46,-	963-129	95,-



KERN MCB Chair scale

Mobile chair scale with four wheels – approved as a medical device and with EC type approval class III for professional use in medical diagnostics







Features:


- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
-  Mobile version with locking brakes on all wheels
- With its four wheels, this chair scale provides maximum mobility in bringing the scale to the patient. This ensures more efficient use of time for the clinic staff and greater safety for the patients, who can be weighed in their familiar environment.
- The four steerable rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators.
- This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centres and clinics with lots of patients, and can handle weighing overweight persons weighing up to 300 kg
- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
-  Two foldable armrests and footrests make transfers into the chair easier. Ideal for overweight patients or barrier-free use, e. g. for transfers from a bed to the scale
- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed. This leaves sufficient time to look after the patient and then read the weight in peace
- BMI function to determine normal weight/surplus weight
- Battery- or mains-powered, rechargeable battery operation optional

Technical data:

-  LCD display, digit height 25 mm
- Dimensions of display device WxDxH 210x110x50 mm
- Overall dimensions WxDxH 600x850x960 mm
- Mains adapter (external) included
- Battery operation possible, 6 x 1.5V AA, not included, operating time approx. 70 h
- Net weight approx. 26 kg

Accessories:

-  Practical mains adapter pouch to store the mains adapter which is supplied as standard. Fitting option using two Velcro fasteners, **KERN MCB-A05, € 30,-**
- Protective working cover over the display device, **KERN EOB-A02, € 25,-**
- Rechargeable battery pack internal, operating time approx. 50 h without backlight, charging time approx. 24 h, **KERN FOB-A08, € 35,-**

 Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.

STANDARD



OPTION



FACTORY





Model	Weighing range	Readout	Verification value	Price excl. of VAT ex works	Mandatory by law		Option	
					Verification		DKD Calibr. Certificate	
KERN	[Max] kg	[d] kg	[e] kg	€	KERN	€	KERN	€
MCB 300K100M	300	0,1	0,1	990,-	965-129	46,-	963-129	95,-

KERN MCC Chair scale

Ergonomically optimised chair scale – approved as a medical device and with EC type approval class III for professional use in medical diagnostics



NEW





Features:

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC
- Mobile version with locking brakes on all wheels
- With its four wheels, this chair scale provides maximum mobility in bringing the scale to the patient. This ensures more efficient use of time for the clinic staff and greater safety for the patients, who can be weighed in their familiar environment.
- **3** The four steerable rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators. All four rollers can be locked individually and securely
- This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centres and clinics with lots of patients, and can handle weighing overweight persons weighing up to 300 kg
- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
- Ideally suited for use with dementia patients, because of the clearly contrasting black colour of the seating surface, footrests and armrest
- **2** Two foldable armrests and footrests make transfers into the chair easier. Ideal for overweight patients or barrier-free use, e. g. for transfers from a bed to the scale
- Ergonomically positioned carrying handles

- Data hold function: When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ for 10 sec. This leaves sufficient time to read the weight in peace
- High resolution readout: Read-out **[d]** for 5 sec. increased by one decimal place at the touch of a key

Technical data:

- **1** Practical mains adapter pouch on the back of the chair as well as mains adapter (external) supplied as standard
- **4** Large backlit LCD display with digit height 25 mm
- Dimensions of display device WxDxH 200x128x55 mm
- Overall dimensions WxDxH 625x990x985 mm
- Battery operation internal, standard, operating time approx. 40 h without backlight, charging time approx. 12 h
- Net weight approx. 22 kg

5 Within the EU, official verification is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification.

STANDARD



OPTION



FACTORY



5

Model	Weighing range [Max] kg	Readout [d] kg	Verification value [e] kg	Price excl. of VAT ex works €	Mandatory by law Verification		Option DKD Calibr. Certificate	
					KERN	€	KERN	€
MCC 250K100M	250	0,1	0,1	790,-	965-129	46,-	963-129	95,-


KERN MAP Hand grip dynamometer



Hand grip dynamometer, e. g. for rehabilitation treatment after accidents





Features:

- Especially suitable for use in rehabilitation centres for determining manual clamping force
- As part of a rehabilitation program, this permits medical staff to monitor the fitness of the patient's hands and carry out controlled training
- Safe, comfortable use thanks to non-slip rubber grips
- Integrated AUTO-OFF function after 1 minute to preserve the batteries
- Weight displayed in kg or lb
- Four measuring modes:
 - Real time mode: immediately shows the client's current strength
 - Peak/Max mode: shows the maximum strength of a client's grip
 - Average mode: Calculates the average strength from two grips
 - Counting mode: Counts the number of presses which exceed a previously defined strength limit
-  MAP 80K 1S: Special version for children: The small handle depth means that the handles can still be gripped ergonomically, particularly by the small hands of infants
- MAP 130K 1: Special version for body builders: Its design and extended measuring range mean that it offers additional capacity, which can accommodate the higher fundamental force exerted by body builders

-  Exchangeable springs facilitate fast switching of the capacity (additional spring sets are included with delivery).
- The varying rigidity of the individual springs makes the hand grip dynamometer ideal for a wide variety of patient groups, e. g. children or senior citizens or in sports medicine
-  Stable case for safe, easy transport and for storage of the additional spring sets, standard, WxDxH 350x265x85 mm

Technical data:

- LCD display, digit height 12 mm
- Batteries included, CR2450, operating time approx. 53 h
- Net weight approx. 0,3 kg

STANDARD



Model	Measuring range [Max] kg	Readout [d] kg	Spring sets kg	Overall dimensions WxDxH mm	Price excl. of VAT ex works €	Option ISO Calibr. Certificate	
						KERN	€
KERN							
MAP 80K 1S	80	0,1	10, 20, 40, 80	55x88x212	205,-	961-167	120,-
MAP 80K 1	80	0,1	20, 40, 80	55x102x212	205,-	961-167	120,-
MAP 130K 1	130	0,1	40, 80, 130	55x102x212	205,-	961-167	120,-

SAUTER FK · FH Digital force gauges

Force measurement for medical applications

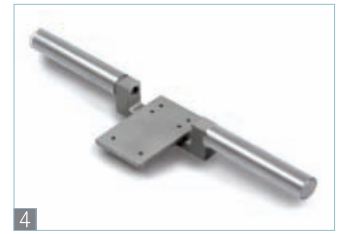
NEW



Sauter FK



Sauter FH

**Features:**

- Determining muscle function and force is used within many areas of medical diagnostics. Amongst others, in
 - orthopaedics for determining the function of the musculoskeletal system
 - physiotherapy for restoring motivity
 - occupational therapy for treating physical damage
- Within sport, too, measuring muscular force development can be used alongside training
- These measurements can be supported by the SAUTER FK (alternatively SAUTER FH) force gauge when connected with the three physio sensors as shown
- These sensors to measure muscular strength have been designed in an ergonomic manner. The surface is made of soft foam rubber, which sits comfortably against the skin
- Connecting the precision measuring device with the optional stainless steel carrying handles SAUTER AFK 02 | AFH 02 means that you can obtain reliable weighing results
- Our recommendation: Combine the force measuring device (Sauter FK or FH) with the stainless steel handles (Sauter AFK 02 or AFH 04, depending on the force measuring device selected) and one or more physio sensors (AC 45, AC 46, AC 47)
- All components can be ordered individually

Accessories:

- **1** AC 45: Concave force sensor with optimised radius for measurement, particularly of arms and legs, **SAUTER AC 45, € 135,-**
- **2** AC 46: Flat square-shaped sensor for lateral power sensing of back, chest or arm, **SAUTER AC 46, € 90,-**
- **3** AC 47: Round sensor to measure particular muscle groups, such as, for example, the shoulder, **SAUTER AC 47, € 95,-**
- **4** Stainless steel handle with plastic coating for force gauges
SAUTER FK: AFK 02, € 55,-
SAUTER FH: AFH 04, € 75,-

STANDARD FK**STANDARD FH****OPTION FH**

Model	Measuring range [Max] N	Readout [d] N	Price excl. of VAT ex works €
SAUTER			
FK 50	50	0,02	250,-
FK 100	100	0,05	250,-
FK 250	250	0,1	250,-
FK 500	500	0,2	250,-
FK 1K	1000	0,5	250,-
FH 50	50	0,01	460,-
FH 100	100	0,05	460,-
FH 200	200	0,1	460,-
FH 500	500	0,1	460,-



Model	Description	Price excl. of VAT ex works €
SAUTER		
AFK 02	Stainless steel handle bar with rubber grip	55,-
AFH 04	Stainless steel handle bar with rubber grip	75,-



Model	Description	Price excl. of VAT ex works €
SAUTER		
AC 45	Concave force sensor with optimised radius for measurement, particularly of arms and legs	135,-
AC 46	Flat square-shaped sensor for lateral power sensing of back, chest or arm	90,-
AC47	Round sensor to measure particular muscle groups, such as, for example, the shoulder	95,-

KERN KB · EG · ABJ Pharmacy balances

Highly-accurate precision balances for laboratories, hospitals and pharmacies

Features:

Precision balance KERN KB

- For the manufacture of pharmaceutical preparations, such as infusion solutions, ophthalmic medicinal products, ointments etc.
- Verified according to class II
- Net-total weighing function
- GLP/ISO record keeping with optional printer **KERN YKS-01, € 390,-**
- Stainless steel weighing plate

STANDARD



OPTION



FACTORY



Precision balance KERN EG

- For the individual development of new medicinal products or types of medication such as tinctures, juices, capsules, creams etc.
- Verified according to class II
- Internal adjusting weight
- Weighing with tolerance range, ideal for portion division, dispensing, grading
- GLP/ISO record keeping with optional printer **KERN YKS-01, € 390,-**
- Large stainless steel weighing plate

STANDARD



OPTION



FACTORY



Analytical balance KERN ABJ

- For the manufacture of pharmaceutical preparations, analysis, quality assurance, final checking etc.
- Verified according to class I
- Internal, motor-driven adjusting weight
- High-precision weighing technology for the most accurate weighing results
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed
- GLP/ISO record keeping with optional printer **KERN YKS-01, € 390,-**
- Stainless steel weighing plate

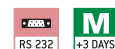
STANDARD



OPTION



FACTORY



¹ Within the EU, official verification is mandatory by law for scales that are intended for use in commercial trade. Please add this to your order. We require the location of use and the post code for the verification.

Model KERN	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Options alternative			
							Verification		DKD Calibr. Certificate	
							KERN	€	KERN	€
KB 650-2NM	650	0,01	0,1	0,01	±0,03	320,-	965-216	55,-	963-127	65,-
EG 620-3NM	620	0,001	0,01	0,001	±0,004	990,-	965-201	100,-	963-101	125,-
EG 2200-2NM	2200	0,01	0,1	0,01	±0,01	840,-	965-216	55,-	963-127	65,-
EG 4200-2NM	4200	0,01	0,1	0,01	±0,02	930,-	965-216	55,-	963-127	65,-
ABJ 80-4NM	80	0,0001	0,001	0,0002	±0,0003	880,-	965-201	100,-	963-101	125,-
ABJ 120-4NM	120	0,0001	0,001	0,0002	±0,0003	920,-	965-201	100,-	963-101	125,-
ABJ 220-4NM	220	0,0001	0,001	0,0002	±0,0003	1030,-	965-201	100,-	963-101	125,-

„I always find the balance I am looking for here – with the weighing technology professionals at KERN, I feel that I am in good hands.“

Straight to the target!

Get straight to the right product. Use our new topic area search. Here you will quickly find products which suit your particular sector of industry



Hospital & Clinic

Professional weighing technology, which meets the special requirements regarding resilience, hygiene and reliability in the daily routine in clinics

Doctors and healthcare

Long-lasting personal floor scales, which combine reliable weighing technology with aesthetic and functional design – of course approved for medical use!

Veterinary medicine

For our large or small four-legged friends, stationary weighing in a veterinary practice or for mobile use on site – you will always find the right scale here

Care and rehabilitation

Tailor-made products for patients who are sick or in need of care, in care facilities or at home



www.kern-sohn.com



KERN – A service as precise as our products

Quality

We are absolutely committed to making products available to you which are of excellent build quality, are extremely robust, have a long service life and are easy to use too. These three factors: quality, durability and ease of operation have been hall-marks of our products for over 169 years.

Conformity

The right product, at the right time, in the right place – that is our strength. With our sophisticated internal logistics system we can make sure your order is ready for delivery within 24 hours (plus calibration time if applicable). This is how we can react to your needs and requests quickly.

Experience

Particularly in the medical environment, balances are subject to extensive standards and regulations, which serve to protect the users and patients. Over and above these standards, our certified quality management system, as well as our 20 trained medical product advisers ensure rapid and competent product advice on all aspects of medical weighing technology.

Professionalism and trust

On the subject of competent advice: Competence coupled with reliability – for centuries this has been the guiding principle of our company. This is why KERN sells its products exclusively through authorised dealers.

Your advantages at KERN

fast

- 24 hours delivery service – ordered today, on its way tomorrow
- Sales & service hotline from 8:00 am to 6:00 pm

competent

- DKD accreditation (DIN EN ISO/IEC 17025)
- QM system (DIN EN ISO 9001:2008)
- Initial verification by the manufacturer (2009/23/EC)
- Medical (DIN EN ISO 13485 & 93/42/EC)

reliable

- 3 years warranty for balances over € 400,-
- Precision in weighing technology for the last 169 years

diverse

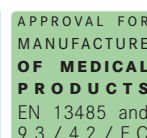
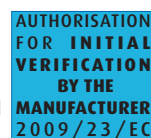
- One-stop shopping: from pocket balances to floor scales – everything from one supplier
- Find the product you want with the „Balance Quick-Finder“ at www.kern-sohn.com in no time

Sales conditions

- The prices are valid from **01.01.2013 – 31.12.2013**
In Europe, all prices do not include the applicable V.A.T.
- Delivery conditions: We supply ex works from Balingen, i. e. the transport costs are invoiced separately. Delivery is usually via parcel service.
- Sale or return: within 14 days of purchase

You can find our full terms and conditions on the internet at www.kern-sohn.com/en/kern/general_terms.html

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