

MEDICAL SCALES

PROFESSIONAL MEASURING



KERN & SOHN GmbH

Balances, Test Weights, Microscopes,
DAkkS Calibration Laboratory
Ziegelei 1
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www.kern-sohn.com

The oldest Precision Balance
Factory in Germany

180 YEARS
since 1844
KERN & SOHN

Discover the multifaceted World of Balances, Microscopes and Measuring Technology
from KERN online: www.kern-sohn.com



- Full KERN & SAUTER Product Range
- Convenient 24/7 Ordering
- Selection of more than 5,000 Items across Weighing and Measuring Technology, Optical Instruments as well as Accessories and Services
- Extensive Information and useful Download Options
- Technical Product Data Sheets
- Operating Instructions
- Descriptive Image and Video Material
- Useful KERN Services
- Technical Glossary
- KERN Dealer Portal
- Practical Filter and Search Functions



Follow us on our social media
channels too



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CONFORMITY
ASSESSMENT
ACCORDING TO
NAWID:
2014/31/EU



It's so easy to order from KERN:

Tel. + 49 7433 9933-0

E-Mail
info@kern-sohn.com

Online Shop
www.kern-sohn.com

We look forward to meeting you in our
online shop – simply use the QR Code:



180 Years KERN & SOHN
Interested? See ...

on page 4 → How it all began

on page 38 → The KERN family today

on page 68 → Sneak peek into the future



180 YEARS
since 1844
KERN & SOHN

Your Advantages – our Philosophy. All KERN Advantages at a Glance

ONLINE SHOP WWW.KERN-SOHN.COM

Convenient ordering or just to be inspired.
You will find a huge selection of products
and services in our KERN online shop,
24/7.

ADVICE FROM THE EXPERTS

Our KERN experts will offer you individual
advice in a range of languages and will be
pleased to assist you:
Mon – Fri from 8.00 am to 5.00 pm

100 % PRODUCT AVAILABILITY AND DISPATCH SERVICE

With KERN you can be sure that you will
have immediate access to the products
you need – provided that they are in
stock. Our 24-hour dispatch service will
send your products immediately. Ordered
today, on their way tomorrow!

WARRANTY

We offer you as the customer up to 3
years warranty on all products in our en-
tire range, as an option the warranty can
be extended for a small fee. Because our
products deliver on their promises!

CUSTOMER SERVICE

Our customer service is personally avail-
able by telephone, e-mail or video call. We
speak more than 7 languages and we will
be happy to help with your requests.

TRUST THROUGH EXPERIENCE

Experience counts: We are professionals
when it comes to precision: A heavyweight
in terms of weighing and measuring
technology and this has been the case
for 180 years – for the benefit of our
customers. Put us to the test!

ACCREDITATIONS/ CERTIFICATION

- DAKkS accreditation
DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001
- Conformity assessment in accordance
with NAWID 2014/31/EU
- Medical certifications DIN EN ISO 13485
and 93/42/EEC or VO (EU) 2017/745

DAKKS CALIBRATIONS

In the modern, accredited KERN cali-
bration laboratory, we perform DAKKS
calibrations for balances, test weights
as well as for numerous other measuring
devices.

In addition we can offer calibrations on
your premises. Of course, all services
are in accordance with international
standards.

VERIFICATION SERVICE

Our professional verification service
offers conformity assessments and
verification of balances and weights – for
a feeling of security in compliance with
legal requirements.

INDIVIDUAL CUSTOMER SOLUTIONS

We are the right partner for special
customer requirements. KERN offers
numerous modular system solutions for
your very individual weighing require-
ments. Please contact us!

SERVICE PORTAL

You can find aftersales support in our
online service portal: Technical Support,
help with questions or problems, etc.
[www.kern-sohn.com/shop/en/
Serviceportal/](http://www.kern-sohn.com/shop/en/Serviceportal/)

SPARE PARTS AND REPAIR SERVICE

In spite of reliable KERN quality: If you
should ever need to make a complaint
about our products, we will help you
quickly, flexibly and in an unbureaucratic
manner.

NO STORAGE COSTS

You have no storage costs – we maintain
the storage. Direct dispatch of ordered
goods to your customer is available,
invoice will be issued to you (third party
business).

STILL GOT QUESTIONS?

[You can find all KERN Service Hotlines
on the inside flap](#)



KERN 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



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



USB data interface
To connect the balance to a printer, PC or other peripherals



Bluetooth® data interface
To transfer data from the balance to a printer, PC or other peripherals



WIFI data interface
To transfer data from the balance to a printer, PC or other peripherals



Control outputs (opto-coupler, 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 internal
The balance displays weight, date and time, independent



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



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



ZERO
Resets the display to "0"



Hold function
When patients do not stand, sit or lie completely still, a stable weight is calculated using an average weight



Hold function
When the weighing conditions are unstable, a stable weight is calculated as an average value



Protection against dust and water splashes IPxx
The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC0529:1989+A1:1999 +A2:2013



Suspended weighing
Load support with hook on the underside of the balance



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



Battery operation rechargeable
Prepared for a rechargeable battery operation



Rechargeable battery pack
Rechargeable set



Universal plug-in power supply
with universal input and optional input socket adapters for
A) EU, CH
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS



Plug-in power supply
230V/50Hz in standard version for EU. On request GB, AUS or US version available



Integrated power supply unit
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or US on request



Weighing principle Strain gauges
Electrical resistor on an elastic deforming body



Peak hold function
capturing a peak value within a measuring process



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



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



Conformity assessment
The time required for conformity assessment 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

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-  Approved Medical Device
-  EC Type Approval

KERN Customer Consultants

With questions about our products and services, we will be happy to advise you:

UK, IE, IS, FR, Maghreb, BE, LUX



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KERN Hotlines

Technical questions about our products?

You will find assistance here quickly: **+49 7433 9933- ...**



Service Hotline

for general technical questions about your KERN product

→ 199

Medical Scales

for all technical questions concerning our baby scales, personal scales, handrail scales, chair scales, wheelchair scales, dynamometers

→ 499

Laboratory and Analytical Balances

for all technical questions concerning our high quality precision balances, analytical balances (especially with electromagnetic force-compensated measuring systems, tuning fork and high application density)

→ 444

Industrial Scales / Veterinary Scales

for all technical questions concerning our basic scales (laboratory & industry), pocket balances, school balances, bench scales, price-computing scales, platform scales, counting scales, counting systems, floor scales, pallet truck scales, crane scales, veterinary scales

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for all technical questions concerning our microscopes, microscope cameras, refractometers, etc.

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for any questions concerning our calibration and verification service

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Retailer Information

SALES CONDITIONS

All prices are valid as of January 1st 2024, Subject to change without notice. Current prices at www.kern-sohn.com. In Europe, all prices do not include the applicable V.A.T.

Delivery Conditions

We supply ex works Balingen, e.g. the transport costs are invoiced. With our contract logistics partners we always offer you shipping at a good rate. When shipping to islands or other more distant areas, or areas which are difficult to access, the transport costs may possibly be higher, please ask for details. Any goods supplied remain KERN's property until complete payment for the goods sold has been received.



Delivery is usually via courier service.



When you see this symbol by truck, please ask for prices.n.

Extract from general terms and conditions

Court of jurisdiction/Legal domicile:

72336 Balingen, Germany;
Commercial register N°: HRB 400865, AG Stuttgart;
Managing director: Albert Sauter

For the full Terms and Conditions, please refer to the website.

<https://www.kern-sohn.com/shop/en/IMPRESSUM/AGB2/>

All dimensions are approximate. Technical changes in the course of further development, printing faults, price changes and product changes are likely in individual cases, due to product modifications as well as error.

Sale or return

within 14 days of purchase. Not valid for order-specific adaptations such as special productions, cable extensions, special weights, etc. or test services such as calibration, verification, etc.

Depending on the time and effort involved, there may be processing and storage costs, please ask for details.

Warranty

→ 3 years for products with list price \geq € 500.00

→ 2 years for components as well as products with list price $<$ € 500.00

Does not apply to consumables such as batteries, rechargeable battery packs, etc.

Balances in areas regulated by law (► Verification) must comply with the commercial error limits during the period of validity for verification – these are usually double the verification permissible error limits. If this period of validity for verification expires, then reverification must be carried out. If, in order

to pass the verification, it should be necessary to adjust the balance to comply with the verification permissible error limits, then this does not constitute a warranty claim.

SERVICE

KERN DirectCash

The quick, secure COD procedure for protection against non-payment. With the KERN DirectCash COD system, you can safely deliver orders to end customers with unknown credit rating, with no risk of non-payment. Please request further details on this procedure.

Hire Purchase

Financing is available using KERN hire purchase – easy and convenient. Hire Purchase gives you the option of purchasing any product from our range against a simple monthly installment. The product value is financed over the period of the agreement. On payment of the last installment, the ownership of the contract item automatically transfers from the contractor to the contractee. The Hire Purchase Agreement can – if you so choose – be set for a period of between one and five years. This package includes the transfer of items as well as the guarantee for the entire transfer period.

Compared with buying the product, KERN hire purchase offers the advantage that the initial financial investment is largely unnecessary. This is particularly relevant when purchasing a number of products, for example when refitting a laboratory, a company department or a hospital ward. In addition the monthly installments constitute a direct cost and the item does not have to be capitalised by the purchaser.

AFTER-SALES-SERVICE

Repair service

Within 1 week at our plant in Balingen, transportation costs are additional. In urgent cases, if requested by customer, a replacement device will be provided until all repairs are completed; please ask.

Price reduction for a new device

If repair costs exceed the current value of the defective device, a new device will be offered for a discount price. This offer is valid only up to 2 years after warranty expiration.

Spare parts service

Usually within 48 hours, transportation costs are additional.

MARKETING SUPPORT

KERN catalogues, brochures, branch prospectuses – your own personalised marketing tools

This catalogue and branch prospectuses are available free of charge. A neutral version of the catalogue, without the KERN address imprint, is also available free of charge for your marketing activities, larger quantities on request.

On demand, your company logo and address can be printed on the back of the KERN catalogue free of charge, larger quantities on request. In this way you have got your own individual marketing tool. The KERN catalogue and branch prospectuses are available in the following languages: DE, EN, FR, IT, ES.

IMPORTANT NOTICE

Explosion hazard / Humidity

Our models are not suitable for rooms with a risk of explosion. Our models are also not suitable for rooms with a high level of air humidity (condensing). Please observe the applicable electrical regulations.

Earth's gravitational force

Electronic balances are subject to location regulations due to the earth's gravitational force. If location of use is changed, reverification and recalibration of the electronic balance is needed.

DAKKS CALIBRATION CERTIFICATE

Upon request, you will receive a DAkkS calibration certificate (Deutsche Akkreditierungsstelle GmbH – German accreditation point), which documents the precision of your balance in detail and also serves as your proof that you monitor your checking equipment in a Quality Management System to ISO 9001.

ACCESSORIES

Further extensive accessories for all our models can also be found in the KERN online shop www.kern-sohn.com

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EIGHT GENERATIONS – WHAT A PASSION

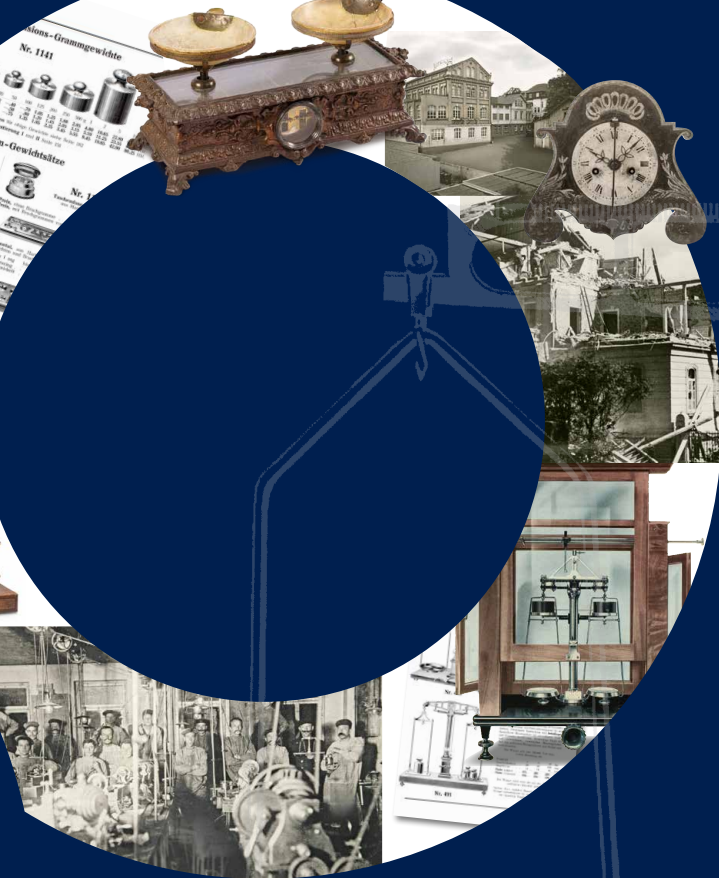
Our history as the oldest German precision balance manufacturer started over 250 years ago. In 1769 in the tranquil setting of Onstmettingen in the Swabian mountains, the village blacksmith, Johann Jakob Sauter I, forged an automatic balance. This had been developed by the pastor and inventor Philipp Matthäus Hahn, with whom he worked. Sauter divided up the scale and aligned the Hahn balance to the correct weight. Every balance was a one-off and adapted to suit the customers' requirements. Johann Jakob Sauter I was the family's first balance manufacturer.

He had no idea that the Sauter family would still be producing and selling balances over 250 years later, albeit from 1844 under the company name of KERN & SOHN.

Tradition, innovation and precision

Competence and handcrafted quality characterise the work of the Sauter family and this has carried the company through the toughest of times. The fate of the company hung by a thread through great misfortune on more than one occasion. Several times, an untimely death in the Sauter family shook the succession of the company. For one generation, the namesake of our company, Gottlieb Kern stepped in. This is how the KERN brand was created in 1844, and his successor Councillor of Commerce Albert Sauter was either unable or unwilling to change it.

In spite of all the highs and lows, KERN balance manufacturing has maintained a stable course – for over 250 years. This has only been and remains possible due to constant regeneration and further development. A path for which we are extremely grateful, because it was not a given.



180 YEARS

since 1844

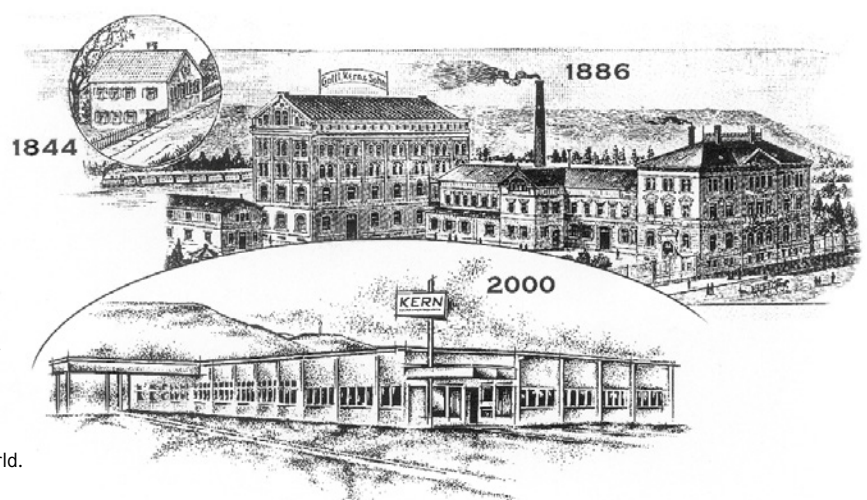
KERN & SOHN



Throughout the world we could only find one other family which had been continuously involved with balance manufacture like KERN.

According to our research, there is also no other workshop or company that has been manufacturing precision balances continuously for 200 years. This means that KERN is not only the oldest German precision balance manufacturer, but probably also the oldest in the world.

Our story continues to move forward! On page 38/39 read more about today's generation of KERN and look to the future with us on page 68/69.



APPROVED MEDICAL DEVICES



KERN MBA



KERN MPE-H

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.



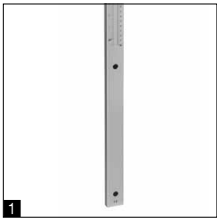
When every centimetre counts – mechanical height rod approved as a medical device for professional use in medical diagnostics

- 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)
- 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 **1**
 - Sturdy aluminium profile



| Model | Measuring range | Increments | Overall dimensions | Net weight approx. | Price excl. of VAT ex works € |
|---------|------------------------|------------|--------------------|--------------------|-------------------------------|
| KERN | mm (inch) | mm | W×D×H mm | kg | |
| MSB 80 | 10 – 80 | 1 | 882×70×28 | 0,7 | 110,- |
| MBA-A01 | 30 – 80 (11 ¼ – 31 ½) | 1 (1 ⅙) | 850×240×60 | 0,4 | 120,- |
| MSF 200 | 60 – 205 (23 ½ – 78 ¾) | 1 (1 ⅙) | 53×40×1000 | 0,8 | 110,- |



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
- Popular in paediatrics: 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. This allows for sufficient time to attend to the young patient, and then get a weight reading
- 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×H 600×280×55 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

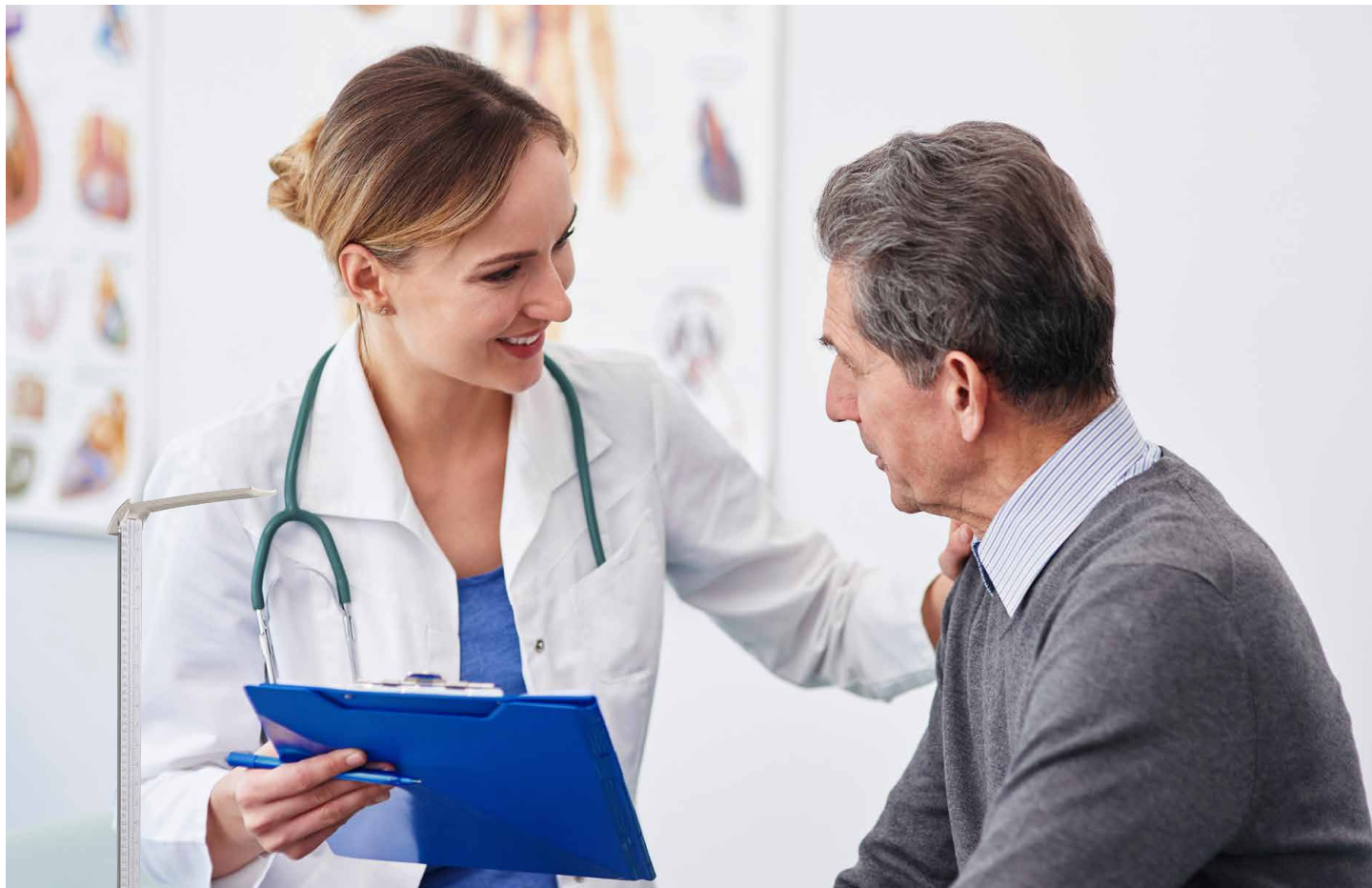
Accessories

- **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, **€ 59,-**
- **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, **€ 65,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- External mains adapter, 100 V – 240 V, Standard EU, CH, UK, KERN YKA-43, **€ 95,-**
- External mains adapter, 100 V – 240 V, Standard EU, KERN YKA-44, **€ 49,-**



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification | |
|--------------------|----------------|---------------|--------------------|-------------------------------|-------------------------------|------|
| | [Max] kg | [d] kg | [e] kg | | KERN | € |
| KERN | | | | | | |
| MBC 15K2DEM | 6 15 | 0,002 0,005 | 0,002 0,005 | 370,- | 965-128. | 40,- |
| MBC 15K2DM | 6 15 | 0,002 0,005 | 0,002 0,005 | 410,- | 965-128. | 40,- |
| MBC 20K10EM | 20 | 0,01 | 0,01 | 370,- | 965-128. | 40,- |
| MBC 20K10M | 20 | 0,01 | 0,01 | 410,- | 965-128. | 40,- |

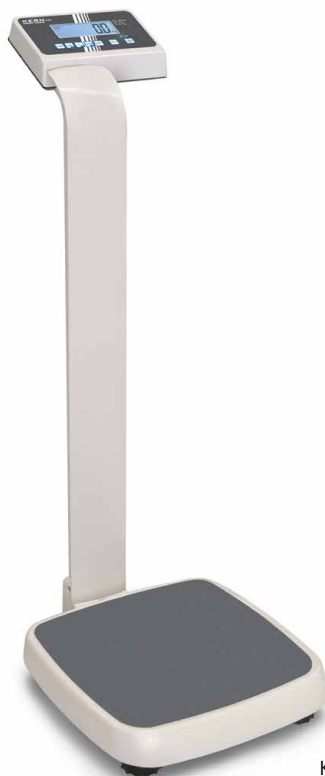
*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification



High quality personal floor scale with BMI function – with approval for professional medical use in medical diagnostics, verification optional



KERN MPE-H



KERN MPE-P



Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- **1** Practical second display on the back of the scale, which makes it easy for both the patient and the doctor or 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 has a sturdy plastic head rest and a measuring range from 90-205 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 made of plastic, to provide a secure footing for patients
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Data interface RS-232 as standard

- **3** Easy to transport thanks to the two integrated transport wheels
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery
- KERN MPE-E: Identical in construction to KERN MPE, but supplied without mains adapter. Batteries included in the scope of delivery and therefore particularly attractive in price

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H 365×360×80 mm
- Overall dimensions W×D×H MPE-PM: 365×570×1030 mm MPE-HM: 365×570×2134 mm, with extracted height rod
- Net weight approx. 12 kg

KERN MPE

- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard


KERN MPE-E

- Battery operation, 6×1.5 V AA standard, operating time up to 20 h

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MPE-A01S05, **€ 44,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08, **€ 65,-**
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43, **€ 95,-**
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44, **€ 49,-**
- Interface cable RS-232 to connect an external device, KERN CFS-A01, **€ 50,-**
- Matrix needle printer, KERN YKN-01, **€ 310,-**
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, **€ 790,-**
- Thermal printer, KERN YKB-01N, **€ 380,-**
- For further details, plenty of further accessories and suitable printers, see Internet

| STANDARD | OPTION | FACTORY |
|---|----------------------------------|---|
| <div>RS 232</div> <div>GLP</div> <div>PRINTER</div> <div>MOVE</div> <div>BATT</div> <div>MULTI</div> <div>1 DAY</div> | <div>ACCU</div> <div>MULTI</div> | <div>M</div> <div>+3 DAYS</div> <div>CE</div> <div>0297</div> |
| MPE | MPE-E | * |

| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification | |
|---------------|----------------|-----------|--------------------|-------------------------------|--|------|
| | [Max] kg | [d] kg | [e] kg | |  KERN | € |
| KERN | | | | | | |
| MPE 200K-1PEM | 250 | 0,1 | 0,1 | 565,- | 965-129 | 60,- |
| MPE 250K100PM | 250 | 0,1 | 0,1 | 615,- | 965-129 | 60,- |
| MPE 200K-1HEM | 250 | 0,1 | 0,1 | 615,- | 965-129 | 60,- |
| MPE 250K100HM | 250 | 0,1 | 0,1 | 665,- | 965-129 | 60,- |

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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



Stylish personal floor scale with BMI function – with approval for professional medical use in medical diagnostics, verification optional



KERN MPS-PM



KERN MPS-M



Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- 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
- Easy and hygienic cleaning
- 1 Secure and non-slip positioning with height-adjustable rubber feet
- 1 Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- 2 Wall mount for display device, standard
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H 275×295×58 mm
- Dimensions of display device W×D×H 216×110×47 mm
- MPS-M: Cable length of display device approx. 1,21 m
- Overall dimensions W×D×H MPS-M: 275×295×58 mm MPS-PM: 275×445×1020 mm (incl. stand)
- Battery operation possible, 6×1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard
- Data interface RS-232 as standard
- Net weight MPS-M: approx. 4,2 kg MPS-PM: approx. 7 kg

Accessories

- 3 Mechanical height rod, measuring range: 60 – 205 cm, can be screwed onto the column from the front or the back (MPS-P) or wall-mounted, approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745, KERN MSF 200, € 110,-

- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,-
- Internal rechargeable battery pack, operating time up to 35 h without backlight, charging time approx. 14 h, KERN FOB-A08, € 70,-
- Interface cable RS-232 to connect an external device, KERN MPS-A08, € 50,-
- Matrix needle printer, KERN YKN-01, € 310,-
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, € 790,-
- Thermal printer, KERN YKB-01N, € 380,-
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD

RS 232

MOVE

BATT

MULTI

1 DAY

OPTION

ACCU

FACTORY

M

+3 DAYS



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification | |
|---------------|----------------|-----------|--------------------|--|----------------------------------|------|
| | [Max] kg | [d] kg | [e] kg | | | € |
| KERN | | | | | KERN | |
| MPS 200K100M | 200 | 0,1 | 0,1 | 460,- | 965-129 | 60,- |
| MPS 200K100PM | 200 | 0,1 | 0,1 | 730,- | 965-129 | 60,- |

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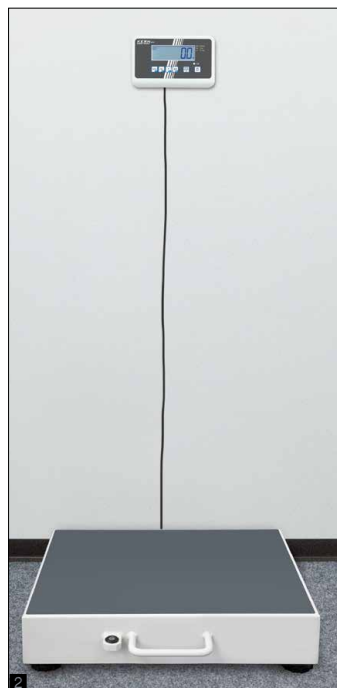
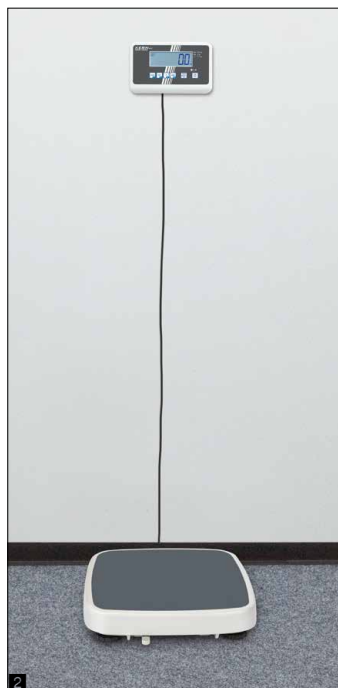
**Compact personal floor scale – with approval for professional medical use
in medical diagnostics, verification optional**



KERN MPC 250K100M



KERN MPC 300K-1LM



Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- The bestseller for doctor's surgeries, chemists and hospitals
- Robust design for daily use in a professional environment
- Easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- KERN MPC 300K-1LM: Version with [Max] = 300 kg and larger weighing plate. Specially suitable for weighing overweight patients who are in the obese category.
- **1** Sturdy handle for easy transportation of the scale
- **2** Flexible positioning of display device, e.g. free-standing or mounted to the wall. Wall mount for display device standard
- **3** Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- BMI function to determine underweight/normal weight/surplus weight

- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- GLP/ISO report, printout of weight value, BMI etc. with date and time. FLP/GMP-compliant print form in DE, EN, FR, only in combination with RS-232 interface cable KERN CFS-A01 + MPC-A01 and printer KERN YKB-01N
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Cable length of display device approx. 1,8 m
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, **€ 44,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08, **€ 65,-**
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43, **€ 95,-**
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44, **€ 49,-**
- RS-232 data interface, must be ordered at purchase, KERN MPC-A01, **€ 110,-**
- Interface cable RS-232 to connect an external device, KERN CFS-A01, **€ 50,-**

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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 |
|-----------------------------------|---|--|
| <div>GLP</div> <div>PRINTER</div> | <div>MOVE</div> <div>BATT</div> <div>MULTI</div> <div>1 DAY</div> | <div>ACCU</div> <div>RS 232</div> <div>+3 DAYS</div> |
| | | CE 0297 |

| Model | Weighing range | Readout | Verification value | Weighing plate | Net weight approx. | Price excl. of VAT ex works € | Mandatory by law Verification |
|---------------------|----------------|-----------|--------------------|----------------|--------------------|-------------------------------|-------------------------------|
| | [Max] kg | [d] kg | [e] kg | W×D×H mm | kg | | KERN |
| KERN | | | | | | | |
| MPC 250K100M | 250 | 0,1 | 0,1 | 365×370×80 | 9 | 400,- | 965-129 60,- |
| MPC 300K-1LM | 300 | 0,1 | 0,1 | 400×500×120 | 10 | 695,- | 965-129 60,- |



**Professional step-on personal floor scale approved as a medical device,
verification optional**





Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- **1** The bestseller for doctor's surgeries, chemists and hospitals: easy to use with no waste of time – simply tap on it, stand on it, read the weight
- Robust design for daily use in a professional environment
- Ergonomically optimised design
- Easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- **2** KERN MPD 200K-1EM: Identically to MPD 250K100M though without backlight and mains adapter, battery operation only, due to the reduced resolution higher display performance. Especially attractive in price
- **3** Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- KERN MPD: Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- Weighing plate dimensions W×D×H 365×360×80 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Overall dimensions W×D×H 365×490×120 mm
- Net weight approx. 9 kg

MPD 250K100M

- Large backlit LCD display, digit height 25 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard

MPD 200K-1EM

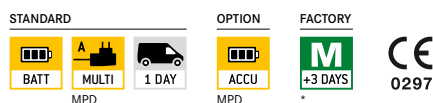
- Large LCD display, digit height 25 mm, without backlight
- Practical battery operation, batteries included, 6×1.5 V AA, operating time up to 20 h

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, **€ 44,-**
- **4** Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**

Only MPD 250K100M:

- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08, **€ 65,-**
- External mains adapter, 100 V – 240 V, Standard EU, CH, UK, KERN YKA-43, **€ 95,-**
- External mains adapter, 100 V – 240 V, Standard EU, KERN YKA-44, **€ 49,-**



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|---------------------|----------------|-----------|--------------------|-------------------------------|-------------------------------|
| | [Max] kg | [d] kg | [e] kg | | € |
| KERN | | | | | |
| MPD 250K100M | 250 | 0,1 | 0,1 | 440,- | 965-129 60,- |
| MPD 200K-1EM | 250 | 0,2 | 0,2 | 400,- | 965-129 60,- |

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Wheelchair platform scale with two integrated access ramps for easy access – with approval for professional medical use in medical diagnostics, verification optional



KERN MWA 300K-1PM



KERN MWA 300K-1M



4 ▲ KERN MWA 300K-1M + MWA-A04

With the two practical handrails of the integrated folding patient seat, you can easily convert the wheelchair platform scale into a multi-functional scale. This way patients can be weighed standing up, with support from the handrail or in a comfortable seated position. If you fold the patient seat up, then a wheelchair can be pushed or driven onto the scale. The strut rod included with delivery ensures a high level of stability and torsional rigidity. The drive-through protection which is also fitted as standard for the front wheels of the wheelchair gives an extra level of safety



KERN MWA 300K-1PM

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Especially suitable for weighing patients in wheelchairs because of the low-profile platform which can be approached from either side
- **1** The large steel weighing plate also makes it ideal for weighing obese patients
- Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to sit or stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- KERN MWA 300K-1PM: Wheelchair platform scale with practical handrail incl. column for easy, ergonomic mounting of the display device. The handrail offers patients that extra level of safety when driving or stepping onto the weighing platform
- **2** Both access ramps and the handrail can be folded up quickly and easily, e.g. for transportation
- BMI function to determine underweight/normal weight/surplus weight
- Battery- or mains-powered, rechargeable battery operation optional
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key



3

3 ◀ **KERN MWA-A02:** Handrail, without column, cannot be folded, for self-assembly on the wheelchair platform scale KERN MWA 300K-1M or MWA 300K-1PM. With the practical optional handrail set, the wheelchair platform scale KERN can be converted quickly and easily into a multi-function scale. This allows the patients to be weighed while standing on the scale, with support from the handrail or weighed in a wheelchair

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, **€ 44,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08, **€ 65,-**
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43, **€ 95,-**
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44, **€ 49,-**
- Interface cable RS-232 to connect an external device, KERN CFS-A01, **€ 50,-**
- **3** Handrail, lacquered steel, dimensions W×D×H approx. 560×40×920 mm, scope of supply: handrail, fasteners, net weight approx. 4,0 kg, KERN MWA-A02, **€ 140,-**
- **4** MWA 300K-1M: Handrail kit with folding patient seat, please add this to your order, retrofitting is not possible, KERN MWA-A04, **€ 1070,-**
- Matrix needle printer, KERN YKN-01, **€ 310,-**
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, **€ 790,-**
- Thermal printer, KERN YKB-01N, **€ 380,-**
- For further details, plenty of further accessories and suitable printers, see Internet

- GLP/ISO report, printout of weight value, BMI etc. with date and time. FLP/GMP-compliant print form in DE, EN, FR, only in combination with RS-232 interface cable KERN CFS-A01 and printer KERN YKB-01N
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface W×D 880×840 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Cable length of display device approx. 3 m
- Overall dimensions, without handrail, W×D×H 1180×1130×90 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 70 kg

STANDARD



1

OPTION

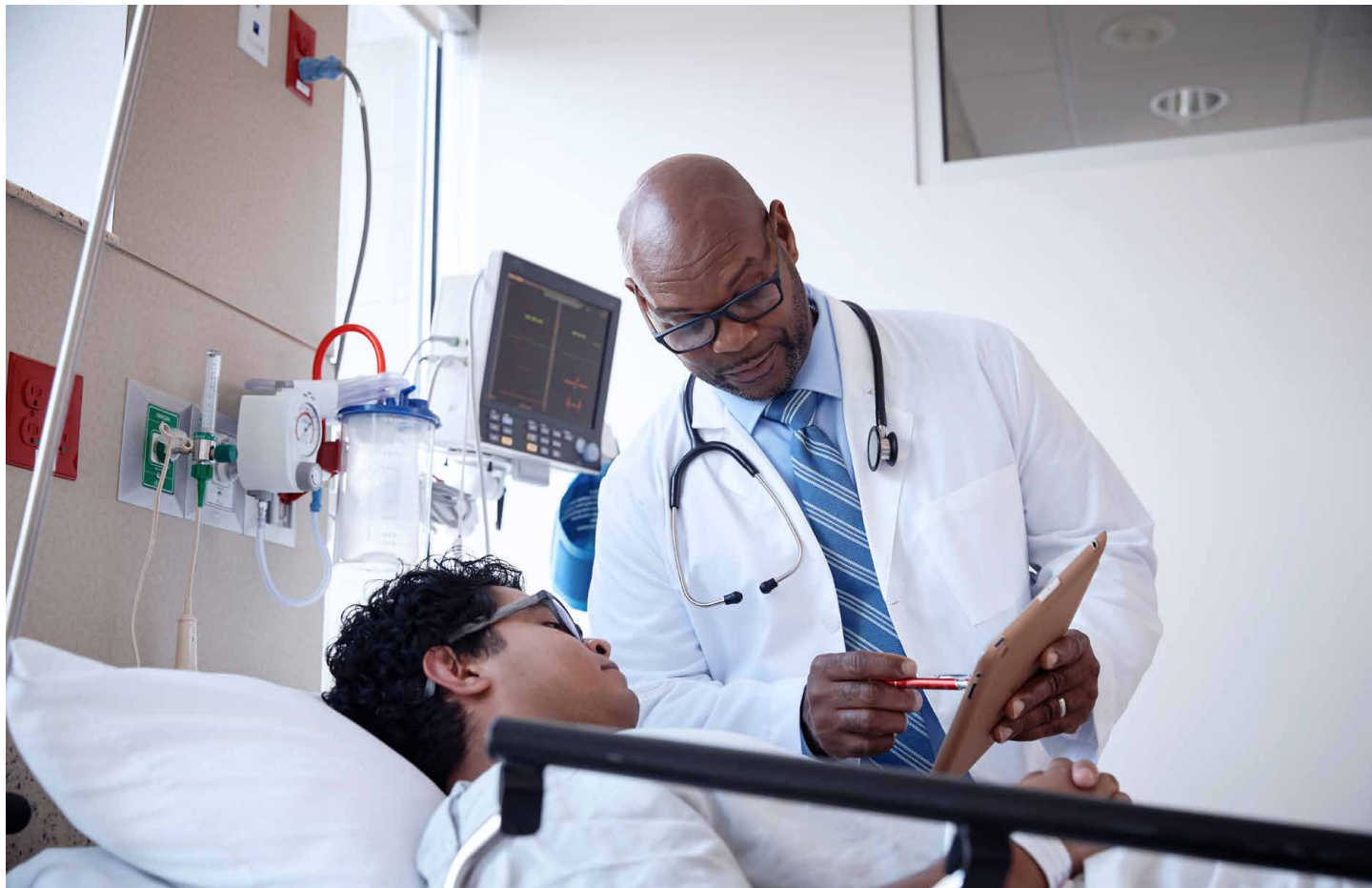


FACTORY



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification KERN € |
|---------------------|----------------|-----------|--------------------|--|---|
| | [Max] kg | [d] kg | [e] kg | | |
| KERN | | | | | |
| MWA 300K-1M | 300 | 0,1 | 0,1 | 1650,- | 965-129 60,- |
| MWA 300K-1PM | 300 | 0,1 | 0,1 | 1690,- | 965-129 60,- |

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Wheelchair platform scale with low overall height for easy access – with approval for professional, mobile medical use in medical diagnostics, verification optional

1 KERN MWS



2 KERN MWS-L





Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Especially suitable for weighing patients in wheelchairs, because the low-profile platform can be approached from either side and the memory function for tare weights for up to five (electric) wheelchairs
- **1** KERN MWS: Three balances in one: With the practical KERN MWS-A02 handrail set, the wheelchair platform scale KERN MWS 300K100M 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
- **2** KERN MWS-L: Due to its large dimensions and large weighing capacity, it is especially suitable for weighing immobile patients on stretchers or wheelchairs
- The large steel weighing plate also makes it ideal for weighing obese patients
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading

- BMI function to determine underweight/normal weight/surplus weight
- The scale can be easily transported using the handle and two rollers and does not require much storage space
- Display device with two magnets on the back, ideal to fix it to metallic surfaces, e.g. to the weighing plate
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- LCD display, digit height 25 mm
- Dimensions of display device W×D×H 210×110×45 mm
- Cable length of display device approx. 1,85 m
- Overall dimensions W×D×H
MWS 300K100M: 1158×835×60 mm
MWS 400K100DM: 1255×1060×69 mm
MWS 300K-1LM: 1500×860×68 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard

Accessories

- **1** Handrail set to fit to the wheelchair platform scale KERN MWS 300K100M, W×D×H approx. 60×1150×900 mm. Scope of delivery: two hand-

- rails, a stability bar, fasteners, overall dimensions W×D×H 1155×830×65 mm (MWS 300K100M + MWS-A02), KERN MWS-A02, **€ 620,-**
- Stand to elevate display device, height of stand approx. 950 mm, KERN MWS-A01, **€ 235,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- Internal rechargeable battery pack, operating time up to 45 h without backlight, charging time approx. 14 h, KERN FOB-A08, **€ 70,-**
- Interface cable RS-232 to connect an external device, KERN MPS-A08, **€ 50,-**
- Matrix needle printer, KERN YKN-01, **€ 310,-**
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, **€ 790,-**
- Thermal printer, KERN YKB-01N, **€ 380,-**
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD



OPTION

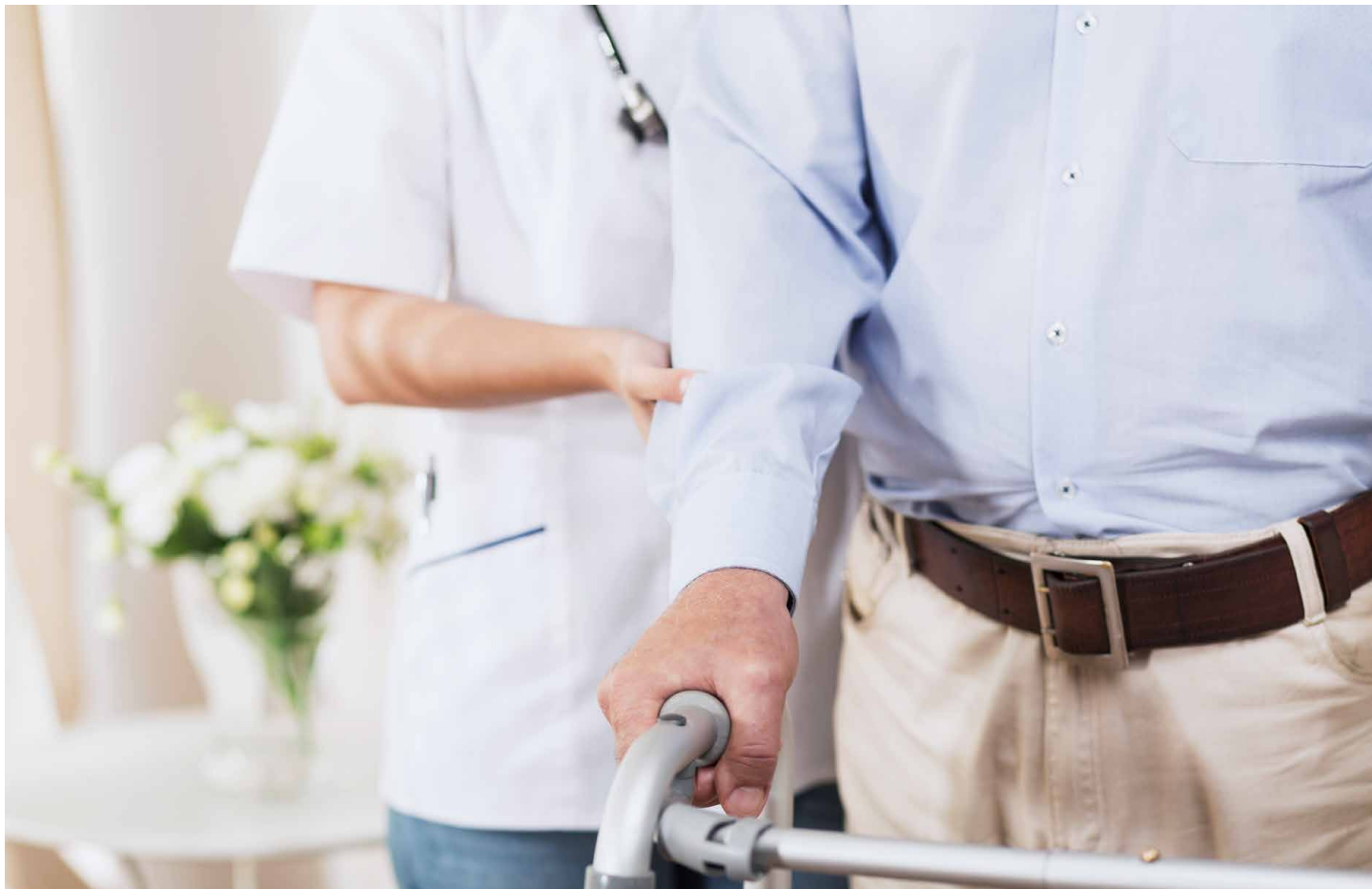


FACTORY



| Model | Weighing range | Readout | Verification value | Weighing plate | Net weight approx. | Price excl. of VAT ex works € | Mandatory by law Verification |
|----------------------|----------------|-----------|--------------------|----------------|--------------------|-------------------------------|-------------------------------|
| | [Max] kg | [d] kg | [e] kg | W×D×H mm | kg | | KERN € |
| KERN | | | | | | | |
| MWS 300K100M | 300 | 0,1 | 0,1 | 910×740 | 30 | 1400,- | 965-129 60,- |
| MWS 400K100DM | 300 400 | 0,1 0,2 | 0,1 0,2 | 1000×1000 | 44 | 1850,- | 965-130 83,- |
| MWS 300K-1LM | 300 | 0,1 | 0,1 | 800×1200 | 42 | 1950,- | 965-129 60,- |

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**Sturdy handrail scale for a secure feeling during weighing –
with approval for professional 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
- Ideal for care homes, centres for geriatric medicine, internal medicine and many more
- **1** The sturdy support structure helps fragile and weak patients to stand safely and, at the same time, allows a precise determination of the patients' weight
- Large surface, for the patient to have the most secure footing, hygienic and easy to clean
- Particularly easy access to the platform through its low height of just 30 mm
- Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to sit or stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- **2** Practical second display on the back of the scale, which makes it easy for both the patient and the doctor or nursing staff to read the weight
- BMI function to determine underweight/normal weight/surplus weight
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, Digit height 25 mm
- Dimensions of display device W×D×H 200×55×128 mm
- Dimensions weighing surface W×D 600×600 mm
- Weighing plate dimensions W×D×H 780×680×68 mm
- Overall dimensions W×D×H 780×680×1100 mm
- Optional battery operation, 6×1.5 V AA not included in scope of delivery, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 42 kg

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MPE-A01S05, € 44,-
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,-

- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08, € 65,-
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43, € 95,-
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44, € 49,-
- Interface cable RS-232 to connect an external device, KERN CFS-A01, € 50,-
- Matrix needle printer, KERN YKN-01, € 310,-
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, € 790,-
- Thermal printer, KERN YKB-01N, € 380,-
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD

RS 232

GLP
PRINTER

MOVE

BATT

MULTI

2 DAYS

OPTION

ACCU

FACTORY

M
+3 DAYS



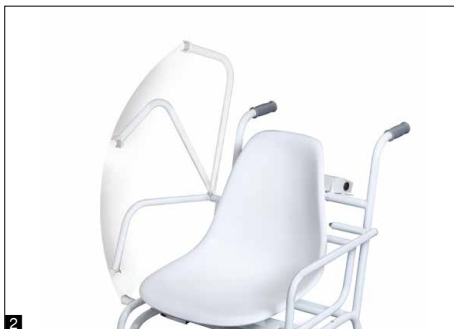
| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|-------------|----------------|-----------|--------------------|--|----------------------------------|
| KERN | [Max] kg | [d] kg | [e] kg | | KERN |
| MTA 400K-1M | 300 400 | 0,1 0,2 | 0,1 0,2 | 2000,- | 965-130 83,- |

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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



**Mobile chair scale with four steerable wheels –
with approval for professional 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
- **1** Mobile version with particularly convenient locking brakes on all four 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 weigh overweight people up to 300 kg
- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
- **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
- Hold function: While weighing patients that are unable to sit still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading

- BMI function to determine underweight/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
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- **3** LCD display, digit height 25 mm
- Dimensions of display device W×D×H 210×110×50 mm
- Dimensions of seating surface W×D 380×360 mm
- Overall dimensions W×D×H 647×860×910 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard
- Net weight approx. 22 kg

Accessories

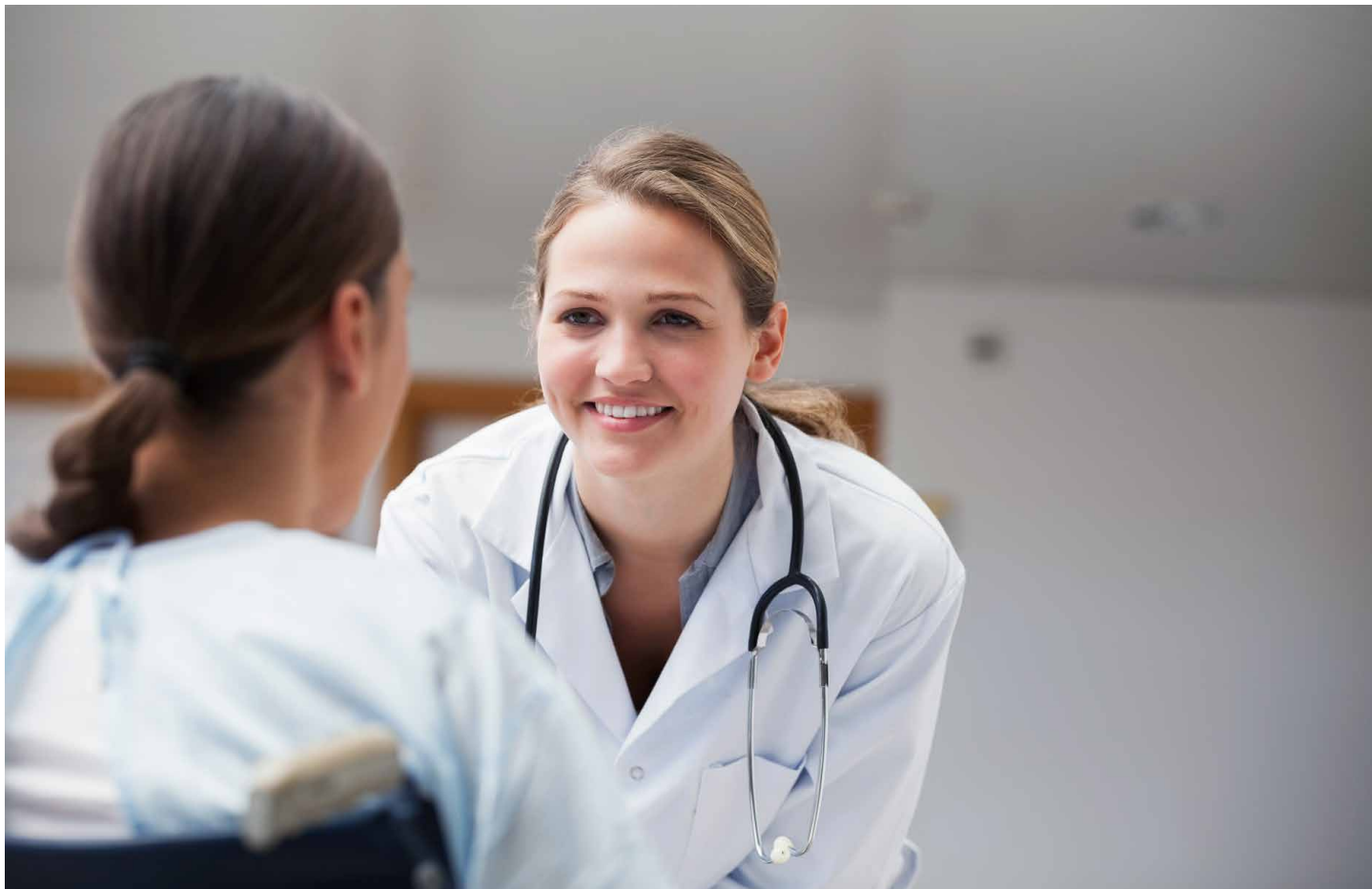
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- Internal rechargeable battery pack, operating time up to 50 h without backlight, charging time approx. 14 h, KERN FOB-A08, **€ 70,-**
- Interface cable RS-232 to connect an external device, KERN MPS-A08, **€ 50,-**
- Matrix needle printer, KERN YKN-01, **€ 310,-**
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, **€ 790,-**
- Thermal printer, KERN YKB-01N, **€ 380,-**
- For further details, plenty of further accessories and suitable printers, see Internet

| STANDARD | OPTION | FACTORY |
|---|--------|--------------|
| RS 232 MOVE BATT MULTI 2 DAYS | ACCU | M +3 DAYS |



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|--------------|----------------|-----------|--------------------|-------------------------------|-------------------------------|
| KERN | [Max] kg | [d] kg | [e] kg | | KERN |
| MCB 300K100M | 300 | 0,1 | 0,1 | 1400,- | 965-129 € |

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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



Ergonomically optimised chair scale – with approval for professional 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
- This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centres and clinics with lots of patients, and can weigh overweight people up to 250 kg
- **1** Mobile version with two steerable rollers and particularly convenient locking brakes at the rear
- 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 rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators
- For fragile patients, the extra wide, comfortable, ergonomically-optimised seat offers safe, secure seating during weighing
- Because of the clearly contrasting black colour of the seating surface, footrests and armrests ideally suitable for dementia patients
- **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
- **3** Ergonomically positioned carrying handles

- Hold function: While weighing patients that are unable to sit still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Protective working cover included with delivery


Technical data

- **3** Large backlit LCD display, digit height 25 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Dimensions of seating surface W×D 390×360 mm
- Overall dimensions W×D×H 625×990×985 mm
- Rechargeable battery pack integrated, as standard, operating time up to 40 h without backlight, charging time approx. 12 h
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- **4** External mains adapter as standard, with strain-relief and disconnecter plug to protect the power supply components
- Net weight approx. 24 kg

Accessories

- **5** Practical mains adapter pouch to store the mains adapter which is supplied as standard. Fitting option using two Velcro fasteners, KERN MCC-A01, **€ 35,-**
- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, **€ 44,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|--------------|----------------|-----------|--------------------|-------------------------------|--|
| KERN | [Max] kg | [d] kg | [e] kg | |  KERN |
| MCC 250K100M | 250 | 0,1 | 0,1 | 1350,- | 965-129 € |

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KERN Premium Line

Integratable (IoT-ready) balances with high-end performance

The capacity to integrate – the answer to the digitization requirements of today and in the future

- Our KERN Premium Line models ensure that you are future-proofed, right now. Thanks to the built-in WiFi interface (factory option for KERN MBA), these models can be integrated into existing or future EMR and EHR systems and thus into the hospital networks.
- The KERN Universal Port (KUP) enables greater flexibility and individualisation in terms of interfaces such as, for example RS-232, USB, Bluetooth or Ethernet – available for all KERN Premium Line models, without any installation outlay.*
- No manual data transfer thanks to the alibi memory as a factory option: Storing through the print key or remote control command: Date, time, alibi ID, weight (net, gross, tare). The data can be recalled through remote control commands or exported to Excel. Documentation or transfer errors are therefore eliminated and processes are accelerated.*
- A standardised concept of operation simplifies handling different products, as the menu structure is the same across all models.*

→ Thanks to the standard power supply, optional rechargeable battery pack (except for KERN MBA) or battery option, the user is not tied to a particular location.

→ Rechargeable battery or batteries can be easily inserted into the optimised battery compartment on the side of the terminal.*

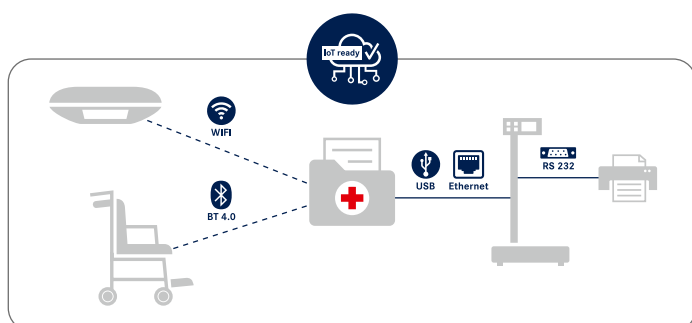
With KERN you are ready for the future of weighing in the Internet of Things. Get IOT ready – with the Premium Line models. Discover these products on the following pages.

Note: All KERN Premium Line models in this catalogue are marked with the IOT-ready symbol.



KERN MPN

* the KERN MBA is not included



The very best networking options in hospitals and care institutions with the IOT-ready models in the KERN Premium Line

Tip

Software KERN Balance Connection SCD-4.0 Pro*: Enables the connection of medical balances to practice EDP systems using the device data transfer protocol (GDT) and also the HL7 protocol

*not compatible with bluetooth interface adapter KUP-06

- Scope of supplies: 1 CD, 1 License
KERN SCD-4.0-PRO, **€ 380,-**
- Scope of supplies: 1 CD, 5 Licenses,
KERN SCD-4.0-PROS05, **€ 1460,-**
- Scope of supplies: Download link for 1 License,
KERN SCD-4.0-PRO-DL, **€ 380,-**

Do you have any questions? The team from our Industry 4.0 centre of expertise will be happy to help:

E-Mail: ITsupport@kern-sohn.com



Compact baby scale with special Safe-Guard tray and approval for professional mobile or stationary medical use in medical diagnostics, verification optional

Features

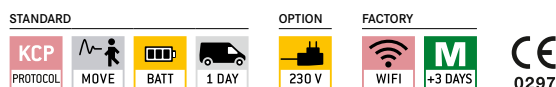
- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Modern design
- **1** Safe-Guard tray: the special, particularly recessed tray with raised side bolsters offers optimum conditions for the safe weighing of babies
- Large, insensitive plastic tray, without corners and edges, therefore particularly hygienic and easy to clean
- Lightweight, compact design, therefore easy to transport and store
- Secure and non-slip positioning with height-adjustable rubber feet
- Easy to use
- Hold function: While weighing patients that are unable to lie still, a mean average weight value is determined. This allows for sufficient time to attend to the young patient, and then get a weight reading
- Integrated AUTO-OFF function to preserve the batteries

Technical data

- LCD display, digit height 25 mm
- Dimensions of tray W×D 600×260 mm
- Overall dimensions W×D×H 600×360×141 mm
- Batteries included, 6×1.5 V AA, operating time up to 20 h (up to 50 h without using WiFi)
- Net weight approx. 4,6 kg

Accessories

- **2** Mechanical height rod to fix to the scale, measuring range 30 cm–80 cm, increments of 0,1 cm, KERN MBA-A01, **€ 120,-**
- WiFi data interface to transfer data from balances to PC or tablet, must be ordered at purchase, KERN YMI-A01, **€ 95,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43, **€ 95,-**



*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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 | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|------------|----------------|-----------|--------------------|-------------------------------|-------------------------------|
| KERN | [Max] kg | [d] kg | [e] kg | | KERN |
| MBA 10K-3M | 15 | 0,005 | 0,005 | 540,- | 965-128. 40,- |



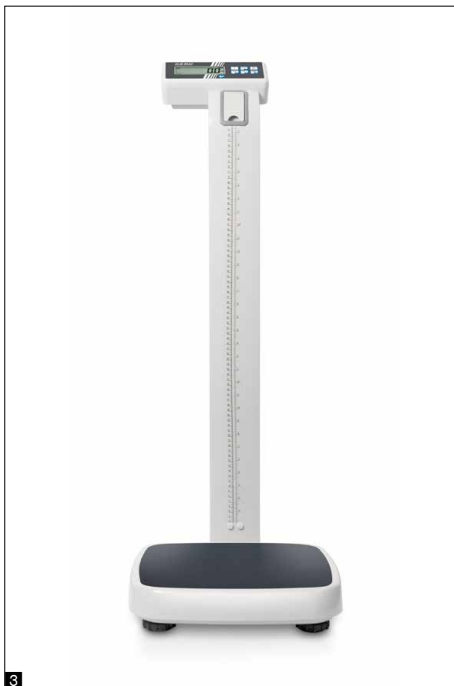
Integratable personal scales for wireless transfer of weighing data to EMR or EHR systems



KERN MPN-H



KERN MPN-P



Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- **1** Practical second display on the back of the scale, which makes it easy for both the patient and the doctor or nursing staff to read the weight
- **2** The MPN-HM model has an elegant height rod integrated into the column, which can be pulled out for use and has a sturdy plastic head rest and a measuring range from 89 - 205 cm
- **3** Patients with a height below 80 cm can be measured using the measuring scale fitted on the column
- The ergonomically optimised shape and robust design mean that this range is ideal for daily use in a professional environment

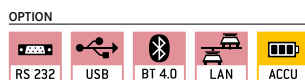
- Secure and non-slip positioning with height-adjustable rubber feet
- Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- **4** Battery- or mains-powered, rechargeable battery operation optional
- **5** Easy to transport thanks to the two integrated transport wheels
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H 365×360×80 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 12 kg

Accessories

- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01, **€ 55,-**
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51, **€ 80,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- External data interface Ethernet, KERN KUP-04, **€ 115,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Memory module with real time clock (alibi memory), KERN YMM-03, **€ 160,-**



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| Model | Weighing range | Readout | Verification value | Overall dimensions (with extracted height rod) W×D×H mm | Price excl. of VAT ex works € | Mandatory by law Verification KERN € |
|--------------|----------------|-----------|--------------------|--|--|---|
| | [Max] kg | [d] kg | [e] kg | | | |
| KERN | | | | | | |
| MPN 200K-1PM | 250 | 0,1 | 0,1 | 365×570×1030 | 810,- | 965-129 60,- |
| MPN 200K-1HM | 250 | 0,1 | 0,1 | 365×570×2134 | 860,- | 965-129 60,- |



Professional integratable personal scales for wireless transfer of weighing data to the EMR or EHR systems – also for overweight patients in the obese category



KERN MPN-M



KERN MPN-LM



Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN MPN 300K-1LM: Version with [Max] = 300 kg and larger weighing plate. Specially suitable for weighing overweight patients who are in the obese category
- Ideally suited for hospitals, clinics and doctors' surgeries
- Robust design for daily use in a professional environment
- Easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet

- **1** Level indicator to level the balance precisely
- KERN MPN 300K-1LM: Sturdy handle for easy transportation of the scale
- **2** Flexible positioning of display device, e.g. free-standing or mounted to the wall. Wall mount for display device standard
- Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
MPN: 365×370×80 mm
MPN-L: 400×500×120 mm
- Dimensions of display device W×D×H
210×54×100 mm
- Cable length of display device approx. 1,8 m
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 12 kg

Accessories

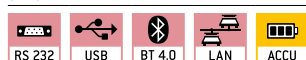
- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01, **€ 55,-**
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51, **€ 80,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- External data interface Ethernet, KERN KUP-04, **€ 115,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Memory module with real time clock (alibi memory), KERN YMM-03, **€ 160,-**

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STANDARD



OPTION



FACTORY



| Model | Weighing range | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|--------------|----------------|-----------|--------------------|-------------------------------|-------------------------------|
| | [Max] kg | [d] kg | [e] kg | | KERN |
| KERN | | | | | |
| MPN 200K-1M | 250 | 0,1 | 0,1 | 650,- | 965-129 60,- |
| MPN 300K-1LM | 300 | 0,1 | 0,1 | 820,- | 965-129 60,- |



Robust integratable wheelchair platform scale for wireless transfer of weighing data to EMR or EHR systems





Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- Especially suitable for weighing patients in wheelchairs because of the low-profile platform which can be approached from either side
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- The scale can be easily transported using the handle and two rollers and does not require much storage space
- **1** Wall mount for display device, standard
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

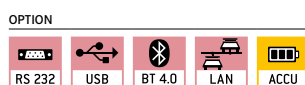
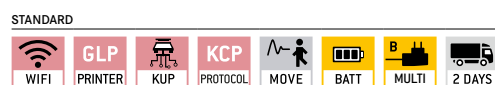
Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface W×D 910×740 mm
- Dimensions of display device W×D×H 210×54×100 mm
- Cable length of display device approx. 1,8 m
- Overall dimensions W×D×H 1160×830×73 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 30 kg

Accessories

- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01, **€ 55,-**
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51, **€ 80,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- External data interface Ethernet, KERN KUP-04, **€ 115,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Memory module with real time clock (alibi memory), KERN YMM-03, **€ 160,-**

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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 | Readout | Verification value | Price excl. of VAT ex works € | Mandatory by law Verification |
|-------------|----------------|-----------|--------------------|-------------------------------|-------------------------------|
| KERN | [Max] kg | [d] kg | [e] kg | | KERN |
| MWN 300K-1M | 300 | 0,1 | 0,1 | 1690,- | 965-129 60,- |



Mobile integratable chair scale for wireless transfer of weighing data to EMR or EHR systems





Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centres and clinics with lots of patients, and can weigh overweight people up to 250 kg
- **1** Mobile version with two steerable rollers and particularly convenient locking brakes at the rear
- 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 rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators

- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
- Because of the clearly contrasting black colour of the seating surface, footrests and armrests ideally suitable for dementia patients
- **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
- Hold function: While weighing patients that are unable to sit still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- **3** Large LCD display, digit height 25 mm
- Dimensions of seating surface W×D 390×360 mm
- Dimensions of display device W×D×H 210×54×100 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- **4** Mains adapter external, standard
- Net weight approx. 24 kg

Accessories

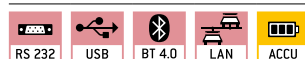
- **5** Practical mains adapter pouch to store the mains adapter which is supplied as standard. Fitting option using two Velcro fasteners, KERN MCC-A01, **€ 35,-**
- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01, **€ 55,-**
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51, **€ 80,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- External data interface Ethernet, KERN KUP-04, **€ 115,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Memory module with real time clock (alibi memory), KERN YMM-03, **€ 160,-**

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) 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 Verification |
|-------------------------|----------------|-----------|--------------------|-------------------------------|-------------------------------|
| | [Max] kg | [d] kg | [e] kg | | KERN 965-129 € |
| KERN MCN 200K-1M | 250 | 0,1 | 0,1 | 1850,- | 60,- |



IN THE HERE AND NOW



Today the company is in the eighth generation of its story, and is wholly informed and up to speed: with products which can be networked and tailor-made for you, specialised software and a fully-automated high-bay warehouse. The only way in which we will be able to continue to write this success story is with ongoing innovation, further development and sustainable management.

Digital and interconnected

Nowadays it is becoming increasingly common for measuring and weighing data to be transferred directly from the balance or measuring device to the computer for processing. Weighing, counting and measuring results are shown in stock entries and on delivery notes. We are taking this development into account through products which can be integrated into company networks in a simple and straightforward manner. And the accompanying software is also becoming more important, to meet individual customer requirements.

Made to measure

Our range now covers around 5,000 products and a myriad of services. Nevertheless, there are often requests for an individual, tailor-made solution. Our Customized Solution Service (CUSOS) will develop this for you at our premises in Balingen. In our development department at our Balingen site, market feedback and ideas are also fed into our product development which go above and beyond individual customer requests.

Highly automated, quick service for customers

A 25 metre high (3 metres of which are underground) and 22 × 90 metre wide, fully-automated high-bay warehouse ensures a high level of availability and rapid dispatch of products all around the world. It accommodates approx. 80,000 packages and 3,500 pallets. On a daily basis, between 500 and 800 packages and between 30 and 50 pallets leave the warehouse. It was built in 2014, and will soon reach its limits, however.

180 YEARS

since 1844

KERN & SOHN



Martin Sauter, Senior Managing Director



Albert Sauter, Managing Director

Sustainable

We are already heating and cooling our modern industrial buildings in a largely climate-neutral way using geothermal power. The work on the roof of our high-bay warehouse is now complete and our photovoltaic system has been successfully installed. By doing this we have reached a significant milestone in our sustainability strategy.

With an impressive output of 244.36 kWp the system could power 50 to 60 family homes. The solar module's innovative east/west orientation enables the system to make optimum use of the solar energy. This not only saves considerable costs, but also significantly reduces CO₂ emissions. We are proud to have made another step in the direction of a creating a greener and more sustainable future.



We focus on using recyclable materials in our packaging. By creating attractive and secure jobs, we are also making an important contribution to strengthening the economic power of the region.

Our story started over 250 years ago and it continues to move forward. Go back to page 4/5 to find out more about our history and look to the future with us on page 68/69!

PROFESSIONAL CARE



KERN MAP



KERN MPB

A **Professional Care balance** from KERN does not have approval in accordance with the Medical Device Directive and also does not have approval in accordance with the European Directive for non-automatic weighing instruments.

If the balance is not going to be used in medical applications, these approvals are not legally required. I.e. Professional Care balances are not verified and can also not be verified. This is a significant difference when compared with Approved Medical Device balances from KERN.

Professional Care products from KERN can be used anywhere, where the measurement is not used to determine medical actions. This applies, for example, to the areas of pathology, baby scales for midwives, personal scales and baby scales in pharmacies or weighing for self-monitoring, e.g. in sport studios.

A mandatory verification is not required for the following intended uses:

- Body weight scales in pathology (not a medical application according to § 7b Paragraph 2 No. 4 of the Verification Ordinance)
- Personal and baby scales (the latter can usually be borrowed in pharmacies)
- Baby scales for midwives
- Personal scales during blood collection for the preparation of blood products

(Information from the Verification Office: Scales in medical applications dated 19.04.2013)



Convenient circumference measuring tape with practical pull-out mechanism

Features

- Continuous pull-out measuring tape for precise measurement e.g. 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
- 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
- **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

Technical data

- Measuring tape length 2,05 m (80 inch)
- Net weight approx. 0,25 kg (per piece)



| Model | Measuring range | Increments of | Overall dimensions | Net weight approx. | Price excl. of VAT ex works € |
|-----------------|-----------------|---------------|--------------------|--------------------|-------------------------------|
| | cm (inch) | mm | W×D×H mm | kg | |
| KERN MSW 200S05 | 205 (80) | 1 | 55×90×20 | 0,25 | 45,- |



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

Features

- Especially suitable for use in rehabilitation centres for determining manual clamping force
- There are four measuring methods, which for example, as part of a rehabilitation program, help the medical staff to monitor the fitness of the patient's hands and carry out controlled training:
 - 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
- An ideal device to determine reduced hand-strength and among others a possible mortality risk of elderly persons as well as a malnutrition in case of chemotherapy or similar treatments
- 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

- MAP 80K1S: Special version for children: The small handle depth allows children in particular to easily and ergonomically grip the handles
- MAP 130K1: 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
- 1 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
- 2 Stable case for safe, easy transport and for storage of the additional spring sets, standard, WxDxH 350x265x85 mm

Technical data

- LCD graphic display, digit height 12 mm
- Batteries included, CR2450, operating time up to 53 h
- Net weight approx. 0,35 kg

STANDARD

UNIT

BATT

1 DAY

OPTION

ISO

+3 DAYS

| Model | Measuring range | Readout | Spring sets | Overall dimensions | Price excl. of VAT ex works € | Options | |
|-----------|-----------------|----------|----------------|--------------------|--|---------------------|------------------|
| | [Max] kg | [d] g | | | | ISO Calibr. KERN | Certificate € |
| KERN | | | | WxDxH mm | | | |
| MAP 80K1S | 80 | 100 | 10, 20, 40, 80 | 55x88x212 | 265,- | 961-102K | 159,- |
| MAP 80K1 | 80 | 100 | 20, 40, 80 | 55x102x212 | 265,- | 961-102K | 159,- |
| MAP 130K1 | 130 | 100 | 40, 80, 130 | 55x102x212 | 265,- | 961-102K | 159,- |



Personal floor scale with BMI function


Features

- Sturdy steel weighing plate with a non-slip and wear-resistant surface
- Easy and hygienic cleaning
- Secure and non-slip positioning with rubber feet
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Simple and convenient 4-key operation
- BMI function to determine underweight/normal weight/surplus weight
- Wall mount for the display device, as standard, only for models without a stand
- Battery- or mains-powered
- Protective working cover included with delivery


Technical data

- LCD display, digit height 25 mm
- Dimensions of display device W×D×H 210×110×50 mm
- KERN MPB: Cable length of display device approx. 1,2 m
- Overall dimensions W×D×H
KERN MPB: 315×300×60 mm
KERN MPB-P: 315×450×1000 mm (incl. stand)
- Battery operation possible, 6×1.5 V AA not included, operating time up to 170 h
- Mains adapter external, standard


Accessories

-  Mechanical height rod, measuring range: 60 cm – 205 cm, can be screwed onto the column from the front or the back (MPB-P) or wall-mounted, approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745, KERN MSF 200, **€ 110,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**


STANDARD




MOVE



BATT



MULTI



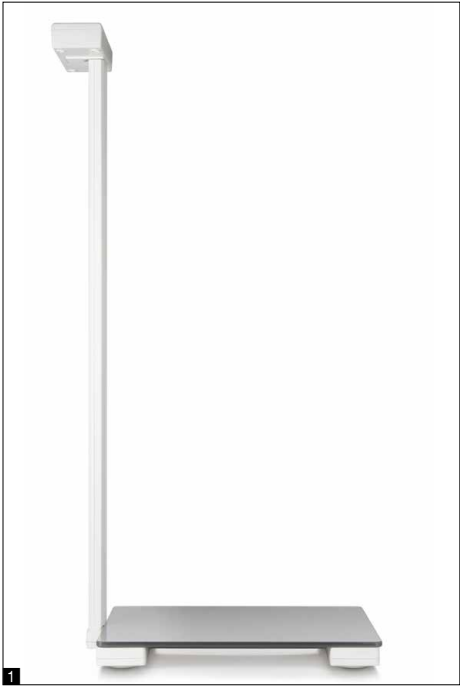
1 DAY

| Model | Weighing range | Readout | Weighing plate | Net weight approx. | Price excl. of VAT ex works € |
|--------------|----------------|-----------|----------------|--------------------|-------------------------------|
| | [Max] kg | [d] kg | W×D×H mm | kg | |
| KERN | | | | | |
| MPB 300K100P | 300 | 0,1 | 315×300×55 | 7 | 420,- |
| MPB 300K100 | 300 | 0,1 | 315×300×60 | 4,6 | 230,- |



Personal scale with column for convenient, ergonomically-optimised operation





Features

- This personal scale is the ideal measuring instrument for elderly care, paramedics, fitness clubs or in the private sector and can weigh overweight people up to 250 kg
- KERN MPL: BMI function to determine underweight/normal weight/surplus weight
- KERN MPL: Tare function to zero the balance
- Weight displayed in kg or lb
- **1** Particularly flat design facilitates access
- Sturdy glass weighing plate for secure, comfortable standing position
- Easy and hygienic cleaning
- **2** Large display that is easy to read
- **2** The column, which is firmly fixed to the scale, makes it easy to operate the scale as well as to read the weighing results even under poor lighting conditions
- Easy to operate: simply tap on it – stand on it – read the weight
- Integrated AUTO-OFF function to preserve the batteries
- **3** Delivered in design packaging

Technical data

- Large LCD display, digit height 28 mm
- Weighing plate dimensions W×D×H 350×350×45 mm
- Overall dimensions W×D×H 350×420×955 mm (incl. stand)
- Batteries included, 4×1.5 V AA, operating time up to 100 h
- Net weight approx. 3,8 kg

Accessories

- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,-

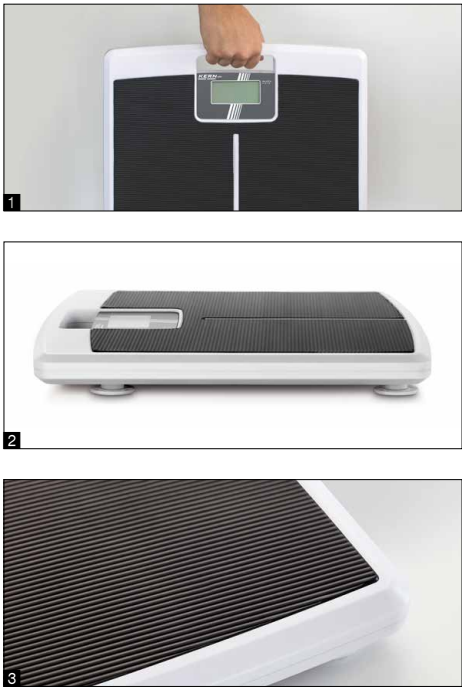
STANDARD

UNIT

BATT

1 DAY

| Model | Weighing range | | Readout | Price excl. of VAT ex works € |
|-------------|----------------|----|-----------|--|
| | [Max] | kg | [d] kg | |
| KERN | | | | |
| MPK 200K-1P | 250 | | 0,1 | 210,- |
| MPL 200K-1P | 250 | | 0,1 | 220,- |



Personal scale with particularly large, flat weighing plate to make it easier to step on and give maximum safety

Features

- This personal scale is the ideal measuring instrument for elderly care, paramedics or private sector, and can weigh overweight people up to 200 kg
- Very large weighing plate
- Easy and hygienic cleaning
- **1** The scale can be easily transported using a handle and does not require much storage space
- **2** Particularly flat design facilitates access
- **3** Very large platform with non-slip and wear-resistant plastic-surface
- Easy to operate: simply tap on it – stand on it – read the weight
- Integrated AUTO-OFF function to preserve the batteries
- Weight displayed in kg or lb
- Large display that is easy to read
- Delivered in single design packaging
- **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

Technical data

- Large LCD display, digit height 30 mm
- Overall dimensions W×D×H 434×370×35 mm
- Batteries included, 4×1,5 V AAA, operating time up to 20 h
- Net weight approx. 3,2 kg (per piece)

Accessories

- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,-

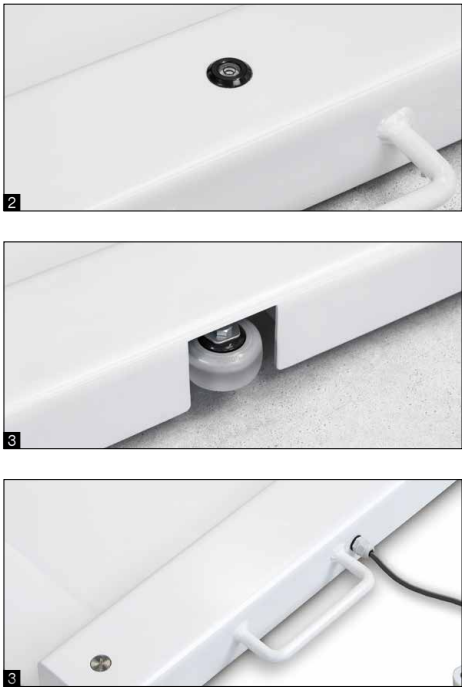
STANDARD

UNIT

BATT

1 DAY

| Model | Weighing range | Readout | Price excl. of VAT ex works € |
|---------------|----------------|-----------|--|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MPI 200K-1S05 | 200 | 0,1 | 490,- |



Compact wheelchair platform scale with two integrated access ramps for easy access

Features

- Especially suitable for weighing patients in wheelchairs because of the low-profile platform which can be approached from either side
- 1 The large steel weighing plate also makes it ideal for weighing obese patients
- Also ideal for rapid weighing of, for example, laundry carts, container trolleys, roller containers, etc.
- Secure and non-slip positioning with height-adjustable rubber feet
- 2 Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to sit or stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- 3 The scale can easily be transported using the two rollers and two handles and does not require much storage space
- Wall mount for display device, standard
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface WxD 800x800 mm
- Dimensions of display device WxDxH 200x130x60 mm
- Cable length of display device approx. 3 m
- Overall dimensions WxDxH 1066x1000x80 mm
- Batteries included, 6x1.5 V AA, operating time up to 40 h
- Net weight approx. 60 kg

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, € 44,-
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20x22 cm per cloth, KERN MYC-01, € 55,-

STANDARD

IP 65

BATT

2 DAYS

| Model | Weighing range | Readout | Price excl. of VAT ex works € |
|------------|----------------|-----------|--|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MWB 300K-1 | 300 | 0,1 | 990,- |



Mobile chair scale in ergonomically-optimised design for safe, convenient weighing





Features

- This chair scale is the ideal measuring instrument for elderly care and for paramedics, and is also suitable for overweight people with a weight up to 300 kg
- **1** Mobile version with four steerable wheels and particularly convenient locking brakes on both rear wheels
- With its four steerable wheels, this chair scale provides maximum mobility by bringing the scale to the patient. This ensures more efficient use of time for the staff and greater safety for the patients who can be weighed in their familiar environment
- The rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators
- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
- Because of the clearly contrasting black colour of the seating surface and footrests ideally suitable for dementia patients
- **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
- **3** Ergonomically positioned carrying handles

- Hold function: While weighing patients that are unable to sit still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- Practical battery operation using standard batteries ensures a high level of flexibility and freedom from mains adapters, sockets, chargers, etc.
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Protective working cover included with delivery

Technical data

- **3** Large LCD display, digit height 25 mm
- Dimensions of display device W×D×H 200×130×60 mm
- Dimensions of seating surface W×D 390×360 mm
- Overall dimensions W×D×H 625×990×985 mm
- Batteries included, 6×1.5 V AA, operating time up to 40 h
- Net weight approx. 22 kg

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05, **€ 44,-**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**

STANDARD



| Model | Weighing range | Readout | Price excl. of VAT ex works € |
|------------|----------------|-----------|--|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MCD 300K-1 | 300 | 0,1 | 1150,- |

OUR KERN EXPERT ROUNDTABLE



5,000 items at a glance – you can find all KERN products covering weighing and measuring technology in our product catalogues:

BALANCES AND TEST SERVICE 2024

Get a full overview of the wide range from KERN, including our high-quality balances, test weights and services such as verification and calibration services.

MEDICAL SCALES 2024

Our medical scales cover the full array: baby scales to personal scales, chair scales and adiposity scales through to hand grip dynamometers, pharmaceutical balances and veterinary scales, we offer the complete range.

MICROSCOPES AND REFRACTOMETERS 2024

Discover our large range of optical instruments, such as, for example our compound, polarisation or fluorescence microscopes, or our analogue and digital refractometers.

SAUTER MEASURING TECHNOLOGY 2024

From force-measuring devices through to hardness measuring equipment and on to measuring cells – you can find everything you need for accurate, reliable measurements.

TEST SERVICE BROCHURE 2024

Detailed information on all topics pertaining to the calibration and conformity assessment of balances, test weights and measuring devices.

All catalogues and information material are available for you to download as PDF files from our website:

www.kern-sohn.com/shop/en/DOWNLOADS



180 YEARS
since 1844
KERN & SOHN

Hospital need

PROFESSIONAL CARE



KERN FOB-NLO



KERN RFS-A02

KERN scales and measuring instruments for clinics, medical practices and rehabilitation facilities

Reliable scales are not only required in direct contact with patients, but also in adjacent areas such as laboratories, research, pathology, hospital laundries, etc. a wide variety of scales are used. These scales also have to meet high requirements, such as robust, dirt-repellent stainless steel surfaces that are hygienic and easy to clean. Simple operation and clearly legible displays speed up daily work, save costs and help to avoid mistakes.

The practical dynamometers, which we offer in various designs and measuring ranges, are particularly suitable for measuring muscle forces in the context of rehabilitation measures.



Stainless steel drive-through scale with two integrated access ramps, verification optional

Features

- Robust stainless steel drive-through scale for rapid weighing of e.g. laundry carts, container trolleys, roller containers, etc. Ideal for hospital laundry services, goods inwards, hospital kitchens, etc.
- Low platform height and integrated access ramps on both sides facilitate access. No need for pit frame installation – which saves money
- Weighing bridge stainless steel, extremely resistant to bending
- **1** 4 load cells, stainless steel, encapsulated, protection against dust and water splashes IP68, suitable for continuous use in wet areas
- **2** Stainless steel display device with protection against dust and water splashes IP65
- Superior display size: digit height 52 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Easy and hygienic cleaning
- Suitable for the ever-increasing hygienic requirements in the medical environment
- Totalising of weights and piece counts
- Internal rechargeable battery pack included with the delivery

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions W×D 1000×1000 mm (Without ramps)
- Platform height in the drive-through area: 80 mm
- Overall dimensions W×D×H 1600×1200×80 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **3** Stand to elevate display device, height of stand approx. 1040 mm, KERN YKP-02, **€ 220,-**
- Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03, **€ 95,-**
- **4** Large display with superior display size, KERN YKD-A02, **€ 310,-**
- Cable with special length 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 195,-**
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 225,-**

- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification. When installing the Bluetooth data interface, the RS-232 data interface can no longer be used, KERN KFB-A03, **€ 160,-**
- Matrix needle printer, KERN YKN-01, **€ 310,-**
- Affordable universal label printer to print out weights on thermal labels. ASCII-capable. Convenient Auto-Forward function to automatically jump from label to label (only with KERN standard labels), KERN YKE-01, **€ 790,-**
- Thermal printer, KERN YKB-01N, **€ 380,-**
- For further details, plenty of further accessories and suitable printers, see Internet

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame. Optionally configurable with IP68 display device on request.

Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

STANDARD




FACTORY



| Model | Weighing range | Readout | Verification value | Minimum load | Net weight approx. | Price excl. of VAT ex works € | Mandatory by law Verification |
|--------------------|----------------|-----------|--------------------|--------------|--------------------|-------------------------------|-------------------------------|
| | [Max] kg | [d] kg | [e] kg | [Min] kg | kg | | KERN |
| KERN | | | | | | | |
| NFN 600K-1M | 600 | 0,2 | 0,2 | 4 | 105 | 3940,- | 965-230 158,- |
| NFN 1.5T-4M | 1500 | 0,5 | 0,5 | 10 | 105 | 3910,- | 965-230 158,- |



Compact organ scale made of stainless steel, particularly well protected and hygienic to clean thanks to IP67 protection and smooth stainless steel surfaces

| Features | Technical data | Accessories |
|---|--|---|
| <ul style="list-style-type: none">• Particularly suitable to determine the specific weight of organs, tissues, etc. in pathology or in the laboratory• Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean• Protection against dust and water splashes IP67 (only when using battery)• High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations• Protective working cover included with delivery | <ul style="list-style-type: none">• Large backlit LCD display, digit height 25 mm• Overall dimensions W×D×H 285×255×90 mm• Ready for use: Batteries included, 4×1.5 V AA, operating time up to 48 h• Net weight approx. 3,8 kg• Permissible ambient temperature 5 °C/35 °C | <ul style="list-style-type: none">• Protective working cover, scope of delivery 5 items, KERN FOB-A13S05, € 44,-• External mains adapter, KERN YKA-29, € 43,-•  Tare pan made from stainless steel, overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, € 75,- |

STANDARD

CAL EXT

UNIT

IP 67

BATT

DMS

1 DAY

OPTION

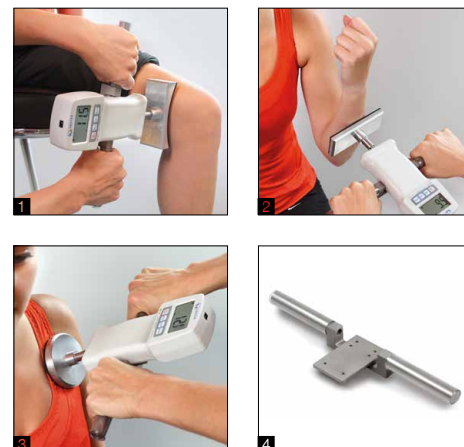
230 V

| Model | Weighing capacity | Readability | Weighing plate W×D | Price excl. of VAT ex works € |
|---|-------------------|-------------|--------------------|-------------------------------|
| KERN | [Max] kg | [d] g | mm | |
| Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d]. | | | | |
| FOB 7K-4NLO | 5 7,5 | 0,5 1 | 252×200 | 295,- |

SAUTER FH



SAUTER FK



Force measurement for medical applications

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 (AC 45, AC 46, AC 47) 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 handles SAUTER AFK 02 | AFH 04 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

Technical data

SAUTER FK

- Ready for use: Batteries included, 6×1.5 V AA

SAUTER FH

- Rechargeable battery pack integrated, as standard, operating time up to 12 h without backlight, charging time approx. 4 h

Accessories

- 1** Concave force sensor with optimised radius for the measurement particularly of arms and legs up to 1 kN, inner thread: M6, KERN AC 45, **€ 135,-**
- 2** Flat square-shaped sensor for lateral power sensing of back, chest or arm up to 1 kN, inner thread: M6, KERN AC 46, **€ 90,-**
- 3** Round sensor to measure particular muscle groups, such as, for example, the shoulder up to 1 kN, inner thread: M6, KERN AC 47, **€ 95,-**

SAUTER FK

- 4** Stainless steel handle bar with rubber grip, SAUTER AFK 02, **€ 105,-**
- Threaded pin made of steel for SAUTER force gauges and clamps, external thread: M6, internal thread: M8, KERN AFM 22, **€ 18,-**

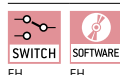
SAUTER FH

- 4** Stainless steel handle bar with rubber grip, SAUTER AFH 04, **€ 105,-**

STANDARD



OPTION



| Model | Measuring range | Division | Thread | Overall dimensions W×D×H | Net weight approx. | Price excl. of VAT ex works € |
|---------------|-----------------|----------|--------|-----------------------------|-----------------------|--|
| | [Max] N | [d] N | | mm | kg | |
| SAUTER | | | | | | |
| FK 50 | 50 | 0,02 | M8 | 195×82×35 | 0,75 | 275,- |
| FK 100 | 100 | 0,05 | M8 | 195×84×35 | 0,60 | 275,- |
| FK 250 | 250 | 0,1 | M8 | 195×82×35 | 0,60 | 275,- |
| FK 500 | 500 | 0,2 | M8 | 195×84×35 | 0,65 | 275,- |
| FK 1K | 1000 | 0,5 | M8 | 195×83×35 | 0,50 | 275,- |
| FH 50 | 50 | 0,01 | M6 | 240×66×36 | 0,65 | 590,- |
| FH 100 | 100 | 0,05 | M6 | 270×66×36 | 0,80 | 590,- |
| FH 200 | 200 | 0,1 | M6 | 244×65×36 | 0,80 | 590,- |
| FH 500 | 500 | 0,1 | M6 | 230×66×36 | 0,80 | 590,- |

Microscopes and Refractometers

PROFESSIONAL CARE



KERN offers you a complete, carefully compiled range of biological microscopes, stereomicroscopes, metallurgical microscopes, polarization microscopes, particularly flexible, pre-configured stereomicroscope sets, individually configurable stereomicroscope systems as well as microscope cameras and camera software.

The main fields of application are haematology, urology, gynaecology, dermatology, pathology, microbiology and parasitology, immunology, oncology, cell and tissue culture research and breeding, veterinary medicine, etc.

The KERN high-performance microscopes are particularly suitable for viewing preparations in culture vessels (bottles, trays, microtiter plates), translucent and thin, low-contrast, demanding preparations (e.g. living Mammalian cells, tissue, possibly also microorganisms, immunofluorescence, FISH, DAPI coloring etc.)

Furthermore, KERN offers a wide range of analogue and digital refractometers. Quickly and easily determine reliable measured values, no matter whether in the laboratory or on site, this ensures safety, consistent quality and accelerates the processes. This is what the analogue and digital refractometers from KERN stand for, and at an extremely attractive price in consistently high quality. The refractometers are mainly used in hospitals, doctors' surgeries, medical training facilities, nursing homes, sports medicine (doping control), veterinary surgeries, etc.



Monocular version



Trinocular version



Butterfly tube

Elegant, dynamic and impressive – the new all-round compound microscope for schools, training and laboratories

Features

- The brand new OBE-12/13 range stands out through its exclusive, dynamic device, which is second to none in terms of sturdy construction and ergonomics. The clever storage compartment on the back will enable quick practical storage for your power cable. Thanks to the USB connection technology, it is also possible to supply power using an external powerbank
- The impressive, infinitely dimmable 3 W LED guarantees bright illumination of your sample
- A further highlight is the butterfly lens barrel which enables you to achieve the ideal viewing angle and is integrated as standard on all binocular and trinocular models. The height-adjustable and thereby focusable 1.25 Abbe condenser with aperture diaphragm is a further quality feature of the OBE range and guarantees the very best concentration of light

- Height adjustment of the fully-equipped mechanical stage is carried out using a coarse and fine focusing knob on both sides. The ergonomically designed coaxial drive enables you to work with the samples and move them rapidly
- A large selection of different eyepieces and objectives are available to you as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of the delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

- Training, haematology, sediment investigation, doctor's practise

Applications/Samples

- Translucent, thin, high-contrast, less complex samples (e.g. plant tissue, coloured cells/parasites)

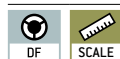
Technical data

- Finite optical system
- Quadplex nosepiece
- Butterfly 30° inclined
- Monocular lens barrel 30° inclined
- Diopter adjustment: One-sided (for binocular and trinocular models)
- Overall dimensions W×D×H
360×150×320 mm
- Net weight approx. 4,6 kg

STANDARD



OPTION



Model

Standard configuration

| | Tube | Eyepiece | Objective quality | Objectives | Illumination | Price excl. of VAT ex works € |
|----------------|------------|-----------------|-------------------|-----------------|----------------------|--|
| KERN | | | | | | |
| OBE 121 | Monocular | HWF 10×/ø 18 mm | Achromatic | | 3W LED (transmitted) | 490,- |
| OBE 122 | Binocular | HWF 10×/ø 18 mm | Achromatic | 4×/10×/40× | 3W LED (transmitted) | 580,- |
| OBE 124 | Trinocular | HWF 10×/ø 18 mm | Achromatic | | 3W LED (transmitted) | 690,- |
| OBE 131 | Monocular | HWF 10×/ø 18 mm | Achromatic | | 3W LED (transmitted) | 540,- |
| OBE 132 | Binocular | HWF 10×/ø 18 mm | Achromatic | 4×/10×/40×/100× | 3W LED (transmitted) | 640,- |
| OBE 134 | Trinocular | HWF 10×/ø 18 mm | Achromatic | | 3W LED (transmitted) | 760,- |



Trinocular version



Simple polarising attachment

The flexible laboratory assistant with infinity optical system and fixed, pre-centred Koehler illumination

Features

- The OBL series stands out through its infinity optical unit and is therefore ideally suited for all demanding transmitted illumination applications. The robust and ergonomic stand base guarantees safe and comfortable working
- The fixed, pre-centred and focusable 1,25 Abbe condenser with aperture diaphragm and field diaphragm gives you a simplified Koehler illumination, without having to move the centre
- The large mechanical stage and its specimen holder holds up to two samples at the same time and is quick and easy to focus using a coaxial coarse and fine focusing knob on both sides
- A large selection of eyepieces, objectives and colour filters as well as a darkfield condenser, a simple polarising unit, different phase contrast kits through to HBO and LED fluorescence units are available to you as accessories

- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

- Haematology, urology, gynaecology, dermatology, pathology, microbiology and parasitology, immunology, oncology, entomology, vets, water analysis, sewage treatment plants and breweries

Applications/Samples

- Translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, bacteria, tissue)

Technical data

- Infinity optical system
- Quadplex nosepiece
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment: One-sided
- Overall dimensions W×D×H 395×200×380 mm
- Net weight approx. 6,7 kg

STANDARD

360°

BINO

TRINO

ABBE

HAL

LED

INFINITY

230 V

1 DAY

OPTION

FL-HBO

FL-LED

PH

DF

POLAR

SCALE

| Model | Standard configuration | | | | | Price excl. of VAT ex works € |
|---------|------------------------|-----------------|-------------------|-----------------|-----------------------|--|
| KERN | Tube | Eyepiece | Objective quality | Objectives | Illumination | |
| OBL 127 | Binocular | HWF 10×/ø 20 mm | Infinity E-Plan | 4×/10×/40×/100× | 3 W LED (transmitted) | 1060,- |
| OBL 137 | Trinocular | HWF 10×/ø 20 mm | Infinity E-Plan | | 3 W LED (transmitted) | 1200,- |



OBN-13



OBN-15



OBN-15: Mounted phase contrast condenser



Quintuple PH universal rotary condenser with 10×/20×/40×/100×

Infinity PH-Plan objectives (complete set, for OBN-15 included)

Professionalism and versatility united in one microscope – with Koehler illumination for demanding applications

Features

- The OBN series stands out because of its unbeatable and consistently high quality and its ergonomic design. The range of modular components means that the OBN series can be individually customised for the professional user
- Depending on the application, there is a choice of models with strong, continuously dimmable 3 W LED or 20 W halogen transmitted illumination (Philips)
- In addition the microscope is available as a pre-configured phase contrast microscope, which, through the combination of a professional quintuple condenser wheel, phase contrast condenser and Infinity Plan phase contrast objectives makes it a high-quality, fully-equipped microscope for all applications related to contrast procedures
- This series has a professional Koehler illumination unit with an adjustable field diaphragm as well as a height-adjustable 1,25 Abbe condenser which can be centred and which has an adjustable aperture diaphragm

- The extremely large mechanical stage with ergonomic, coaxial coarse and fine focusing knob on both sides enables you to adjust and focus your sample rapidly and accurately
- A wide variety of modular systems, such as, for example, a swing-out condenser, various eyepieces, objectives, colour filters, phase contrast units, a darkfield condenser, a simple polarising unit, Butterfly tube, through to complete fluorescence units are available to you as accessories
- The centring eyepiece for adjusting the phase contrast (OBN-15), a protective dust cover, eye cups as well as multi-lingual User instructions are included with the delivery
- A C-mount adapter is required to connect a camera. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

- Haematology, urology, gynaecology, dermatology, pathology, microbiology and parasitology, immunology, Sewage treatment plants, Oncology, entomology, vets, water analysis and breweries

Applications/Samples

- Translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, bacteria, tissue)

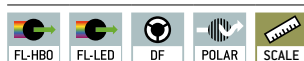
Technical data

- Infinity optical system
- Quintuple nosepiece
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 390×200×400 mm
- Net weight approx. 9 kg

STANDARD



OPTION



Model

Standard configuration

| | Tube | Eyepiece | Objective quality | Objectives | Illumination | Price excl. of VAT ex works € |
|----------------|------------|-----------------|-------------------|-----------------------------|----------------------------|-------------------------------|
| KERN | | | | | | |
| OBN 132 | Trinocular | HWF 10×/ø 20 mm | Infinity Plan | 4×/10×/20×/40×/100× | 20 W Halogen (transmitted) | 1680,- |
| OBN 135 | Trinocular | HWF 10×/ø 20 mm | Infinity Plan | 4×/10×/20×/40×/100× | 3 W LED (transmitted) | 1690,- |
| OBN 158 | Trinocular | HWF 10×/ø 20 mm | Infinity Plan | 4×/PH10×/PH20×/PH40×/PH100× | 20 W Halogen (transmitted) | 2970,- |
| OBN 159 | Trinocular | HWF 10×/ø 20 mm | Infinity Plan | 4×/PH10×/PH20×/PH40×/PH100× | 3 W LED (transmitted) | 2990,- |



OCM 161



OCM 165-168



N.A. 0,3 Abbe Condenser with phase contrast slide



Coaxial control knobs for x/y can be fitted either left or right

The inverted biological laboratory microscope – also with fluorescence

Features

- The OCM range stands out through its design which is ergonomic, robust and extremely stable. This design, with its large working distance, is particularly suitable for the monitoring and analysis of cell cultures, for example
- A strong and continuously adjustable 30W halogen illumination unit ensures the optimum illumination in the bright field of your samples. In addition, either an Osram 100 W-HBO- (OCM 165/166) or a 5 W-LED Epi fluorescence incident illumination unit (OCM 167/168) are available to you as a fluorescence microscope for perfect illumination and stimulation of your fluorescence samples
- A special Abbe N.A. 0.3 condenser with aperture diaphragm and large working distance of 72 mm guarantees the very best working practise in the bright field and with fluorescence applications
- As standard, the OCM range is fitted with a trinocular eyepiece tube

- The mechanical stage including specimen holder (ø 110 mm) means that you can work quickly and effectively. Further brackets for petri dishes are included with delivery or available as accessories
- Further options such as, for example, a selection of eyepieces, objectives, specimen holders and other phase contrast units can be integrated as accessories
- A dust cover as well as user instructions are included with the delivery
- Please find detailed information in the following model outfit list

Scope of application

- Research and breeding of cell cultures and tissue cultures

Applications/Samples

- Particularly for viewing samples in culture vessels (flasks, petri dishes, microtitre plates), translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, tissue, microorganisms if necessary, immunofluorescence, FISH, DAPI staining etc.)

Technical data

- Infinity optical system
- Quintuple nosepiece
- Siedentopf 45° inclined
- Diopter adjustment: Both-sided

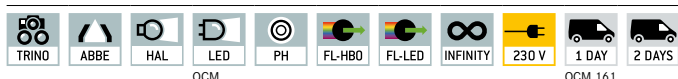
OCM 161

- Overall dimensions W×D×H
304×599×530 mm
- Net weight approx. 13,5 kg

OCM 165-168

- Overall dimensions W×D×H
304×782×530 mm
- Net weight approx. 21 kg

STANDARD



OCM 167/168

OCM 161

Model

Standard configuration


| | Tube | Eyepiece | Objective quality | Objectives | Illumination | Price excl. of VAT ex works € |
|----------------|------------|-----------------|-------------------|-----------------------------------|---|--|
| KERN | | | | | | |
| OCM 161 | Trinocular | HWF 10×/ø 22 mm | Infinity Plan | | 30 W Halogen (transmitted) | 3790,- |
| OCM 165 | Trinocular | HWF 10×/ø 22 mm | Infinity Plan | | 30 W Halogen + 100 W Epi Fluorescence (B/G) | 9180,- |
| OCM 166 | Trinocular | HWF 10×/ø 22 mm | Infinity Plan | LWD10×/LWD20×/ LWD40×/LWD20×PH | 30 W Halogen + 100 W Epi Fluorescence (UV/V/B/G) | 10790,- |
| OCM 167 | Trinocular | HWF 10×/ø 22 mm | Infinity Plan | | 5W-LED + 5W Epi Fluorescence (B/G) | 9180,- |
| OCM 168 | Trinocular | HWF 10×/ø 22 mm | Infinity Plan | | 5W-LED + 5W Epi Fluorescence (UV/V/B/G) | 10790,- |



KERN ORF

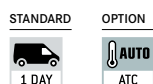
Refractive index measurement for hospitals, medical training institutions or in sports medicine

Features

- The KERN ORA refractometers are universal, maintenance-free analogue handheld refractometers
- The main scope of applications is: Hospitals, Doctor's surgeries/Physicians, Medical training institutions, Nursing homes, Sports medicine (doping test)
- The ORA 2PA is particularly suitable for measuring the specific gravity (sg) in urine, the quantity of serum (serumproteine) in urine (doping control among athletes), and the refractive index. The ORA 5PB has been developed specially for the veterinary sector
- The handy and robust design allows the easy, efficient and sustainable use in everyday life.
- Manually calculated conversions and errors of the user are avoided by multiple selectable scales
- These scales are especially developed, exactly calculated and checked. They are also characterized by their thin and clear lines
- The optical system and the prism cover are made of special material which allows a low-tolerance measuring
- All ORA models are equipped with an eyepiece for easy and smooth setting for many different diopter strengths
- The models marked with "ATC" have an automatic temperature compensation which enables accurate measurement at different ambient temperatures
-  The following accessory parts are included:
 - Storage box
 - Calibration liquid
 - Pipette
 - Small screwdriver
 - Cleaning tissue
- Further accessories are optionally available

Technical data

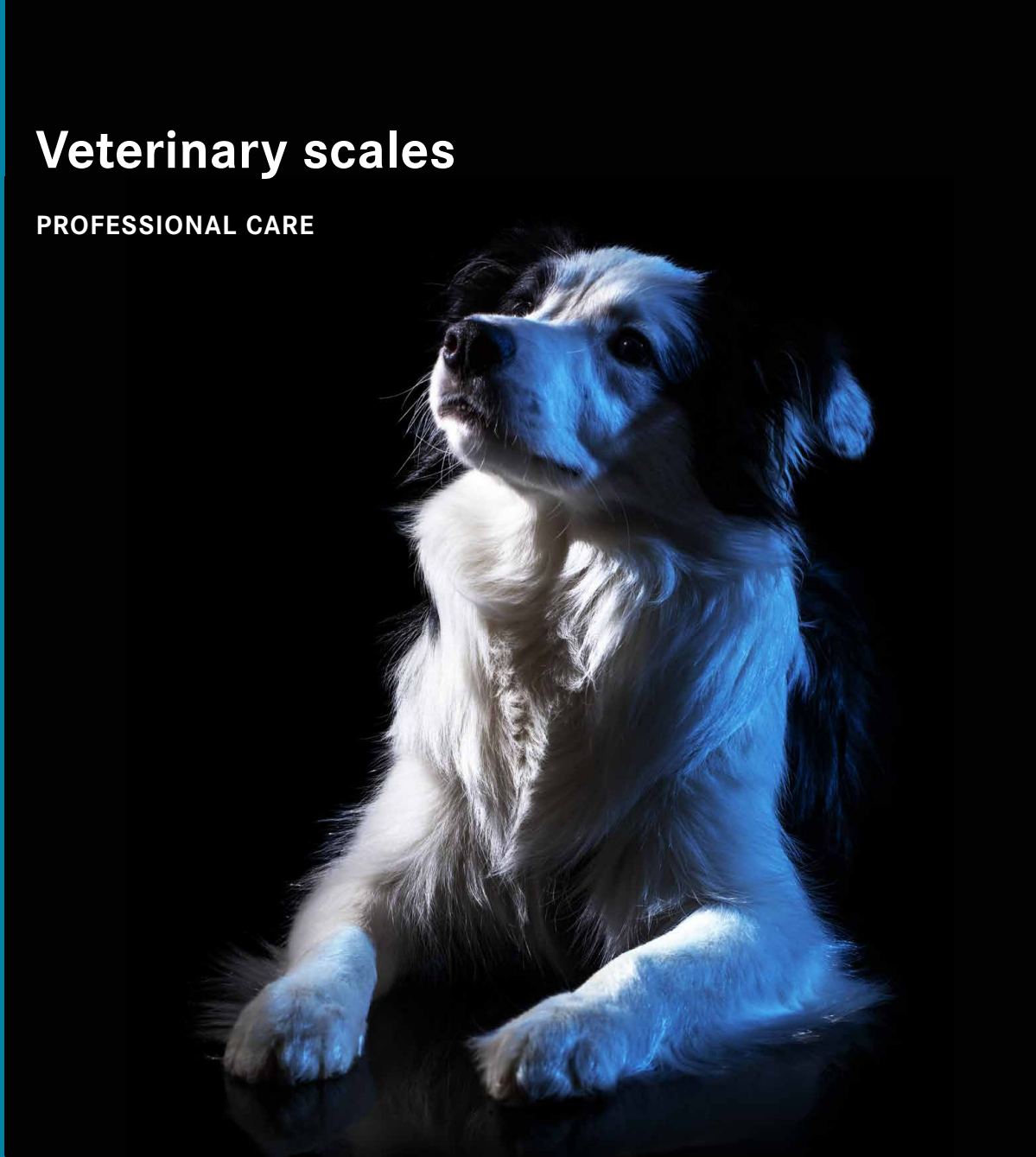
- Die-cast housing of copper-aluminium alloy, chrome coated
- Measurement temperature without ATC: 20 °C
- Measurement temperature range with ATC: 10 °C/30 °C
- Dimensions of the box W×D×H 205×75×55 mm
- Packing dimensions W×D×H 215×94×65 mm
- Product length: approx. 130 – 200 mm (depending on the model)
- Net weight approx. 145 g
- Please refer to the website for further details as well as information on the full range of model features



| Model | Scales | Measuring range | Division | ATC | Price excl. of VAT ex works € |
|-----------------|-----------------------|--------------------|-----------|-----|-------------------------------|
| KERN | | | | | |
| ORA 32BA | Brix | 0 – 32 % | 0,2 % | ✓ | 95,- |
| ORA 4RR | Refractive index | 1,440 – 1,520 nD | 0,001 nD | | 95,- |
| ORA 2PA | Serum protein | 0 – 12 g/dl | 0,2 g/dl | | |
| | Urine (spec. gravity) | 1,000 – 1,050 sgU | 0,002 sgU | ✓ | 95,- |
| | Refractive index | 1,3330 – 1,3600 nD | 0,0005 nD | | |
| ORA 5PB | Serum protein | 2 – 14 g/dl | 0,1 g/dl | | |
| | Urine (s. g. dog) | 1,000 – 1,060 sgU | 0,001 sgU | | 90,- |
| | Urine (s. g. cat) | 1,000 – 1,060 sgU | 0,001 sgU | | |

Veterinary scales

PROFESSIONAL CARE



Animal scales for weighing various animals such as rabbits, cats, dogs, snakes, sheep, etc.

Electronic animal scales from KERN are the very best tool for checking animal weight. KERN animal scales stand out from the crowd because they are easy to use, have a high degree of mobility, with robust technology, a large display and ergonomic design. From scales for small animals, which are also ideal for weighing animal feed in line with a diet sheet, through to high-capacity floor scales for animals weighing up to 300 kg, right up to hanging and crane scales for mobile weighing of animals up to 1 ton, KERN's veterinary scale range offers a wide choice.

Many useful functions assist the vet, animal keeper or pet owner in their daily work with the animal. Thanks to a special animal weighing program, a steady weight will be displayed, even if the animal moves during the weighing process. You can use the practical HOLD function, which means the obtained weight will continue to be displayed even after the animal has been removed from the scale. You therefore have time to take care of the animal first.

Whether stationary in a veterinary practice, or mobile at the home of a pet owner, in enclosures or in the wild, the power supply to the KERN veterinary scales is always guaranteed thanks to mains or battery operation.



KERN HCB

2 KERN HCN



Practical assistant for the mobile weighing of heavy pets, animal feed etc. up to 1 t!

Features

- Thanks to the animal weighing function, it can also be used by vets. Compact - so it can be stored in the vet's case and is ideally suited for heavy pets
- Hold function: For easy reading of the weighing result, the display can be "frozen" in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key
- Varied options for hanging the items, thanks to the stainless steel hook and stainless steel snap links included as standard (not with models HCB with [Max] ≥ 0.5 t)
- Peak load display (peak hold), Measuring frequency 5 Hz

KERN HCB

- [Max] ≤ 200 kg: Snap link (stainless steel) with safety catch and hook (stainless steel) as standard
- 1 [Max] ≥ 500 kg: Reinforced version for heavy loads. Snap link and hook not included

KERN HCN

- 2 Housing stainless steel, IP65-protected against dust and water splashes
- Snap link (stainless steel) with safety catch as standard
- Hook (stainless steel) as standard
- 3 Second display on the back of the balance

Technical data

- LCD display, digit height 12 mm
- Hole diameter of load support, model with [Max] ≤ 200 kg: approx. 14 mm
- [Max] ≥ 500 kg: approx. 16 mm

- KERN HCB: Ready for use: Batteries included, 3×1.5 V AA, operating time up to 300 h
- KERN HCN: Ready for use: Batteries included, 2×1.5 V AA, operating time up to 200 h

Accessories

for models with [Max] ≤ 200 kg

- Snap link (stainless steel) with safety catch, opening approx. 13 mm, KERN HCB-A01, € 35,-
- Hook (stainless steel), opening approx. 29 mm, KERN HCB-A02, € 35,-

KERN HCB

- Hook with safety catch, galvanised and lacquered cast steel, not rotatable, scope of delivery: 2 shackles, 1 connecting link, 1 hook, KERN YHA-06, € 140,-
- High-strength shackle, hot-dipped galvanised cast steel bracket, curved edge. Scope of delivery: 2 shackles, KERN YSC-04, € 60,-

STANDARD



2

| Model | Weighing capacity | Readability | Dimensions housing W×D×H mm | Net weight approx. | Price excl. of VAT ex works € |
|-----------------|-------------------|-------------|-----------------------------|--------------------|-------------------------------|
| | [Max] kg | [d] kg | | kg | |
| KERN | | | | | |
| HCB 20K10 | 20 | 0,01 | 82×43×153 | 0,30 | 120,- |
| HCB 50K20 | 50 | 0,02 | 82×43×153 | 0,30 | 130,- |
| HCB 50K100 | 50 | 0,1 | 82×43×153 | 0,30 | 100,- |
| HCB 99K50 | 99 | 0,05 | 82×43×153 | 0,30 | 110,- |
| HCB 100K200 | 100 | 0,2 | 82×43×153 | 0,30 | 110,- |
| HCB 200K100 | 200 | 0,1 | 82×43×153 | 0,30 | 130,- |
| HCB 200K500 | 200 | 0,5 | 82×43×153 | 0,30 | 105,- |
| HCB 0.5T-3 | 500 | 1 | 82×43×153 | 0,40 | 215,- |
| HCB 1T-3 | 1000 | 2 | 82×48×153 | 0,60 | 280,- |
| Stainless steel | | | | | |
| HCN 50K100IP | 50 | 0,1 | 96×48×179 | 0,50 | 145,- |
| HCN 100K200IP | 100 | 0,2 | 96×48×179 | 0,50 | 145,- |
| HCN 200K500IP | 200 | 0,5 | 96×48×179 | 0,50 | 145,- |



All-purpose small pet scale for mobile and stationary use

Features

- Ideal table scale for weighing small animals or for the laboratory
- Particularly flat design
- Plastic weighing plate, can be removed
- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Easy and hygienic cleaning
- Ready for use: Batteries included
- Socket for mains adapter included

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** ø 82 mm, plastic, with conductive lacquer
 - B** ø 105 mm, plastic
 - C** ø 150 mm, plastic, see larger picture
- Batteries included, 9 V block, respectively 2×1.5 V AA
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Stainless steel weighing plate, only for models with weighing plate size **B**, KERN EMB-A02, € 29,-
- External universal mains adapter, with universal input and optional input socket adapters for EU, CH, GB, US, KERN YKA-03N, € 38,-



| Model | Weighing capacity [Max] g | Readability [d] g | Weighing plate | Dimensions housing W×D×H mm | Net weight approx. kg | Price excl. of VAT ex works € |
|-------------------|---------------------------------|-------------------------|----------------|-----------------------------------|-----------------------------|--|
| KERN | | | | | | |
| EMB 200-3 | 200 | 0,001 | A | 170×244×54 | 0,85 | 245,- |
| EMB 200-2 | 200 | 0,01 | B | 170×244×39 | 0,50 | 140,- |
| EMB 600-2 | 600 | 0,01 | B | 170×244×39 | 0,50 | 180,- |
| EMB 2000-2 | 2000 | 0,01 | C | 170×244×39 | 0,90 | 240,- |
| EMB 500-1 | 500 | 0,1 | C | 170×244×39 | 0,55 | 60,- |
| EMB 1200-1 | 1200 | 0,1 | C | 170×245×39 | 0,55 | 80,- |
| EMB 6000-1 | 6000 | 0,1 | C | 170×244×39 | 0,55 | 180,- |
| EMB 2200-0 | 2200 | 1 | C | 170×244×39 | 0,55 | 60,- |
| EMB 5.2K1 | 5200 | 1 | C | 170×244×39 | 0,55 | 60,- |
| EMB 5.2K5 | 5200 | 5 | C | 170×244×39 | 0,55 | 56,- |



KERN FOB-NS

KERN FOB-NL

Compact stainless steel small pet scales with high-level protection against dust and water splashes

Features

- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- High mobility: thanks to compact, flat construction, it is suitable for use in several locations, secure and non-slip positioning through rubber feet
- Protective working cover included with delivery

Technical data

FOB 7K-4NL, FOB 10K-3NL, FOB 30K-3NL

- With multi-division balances, the weighing range is divided into several sections, each with a different readout. The readout changes automatically with the increasing or decreasing load, depending on the load applied. I.e. if the value goes below or above the limit values, the readout adjusts automatically. One advantage of multi-division balances is that when the load decreases, the balance switches to a finer resolution without having to remove all the load from the balance. Another advantage of multi-division balances is that by taring off, it is possible to switch from a coarse resolution to a finer one. To all intents and purposes, the user has several balances in one

Accessories

KERN FOB-NS

- Protective working cover, scope of delivery 5 items, KERN FOB-A12S05, **€ 44,-**
- External mains adapter, KERN YKA-46, **€ 45,-**

KERN FOB-NL









- Protective working cover, scope of delivery 5 items, KERN FOB-A13S05, **€ 44,-**
- External mains adapter, KERN YKA-29, **€ 43,-**

KERN FOB-NS

- Particularly flat design
- **1** Protection against dust and water splashes IP65 (only when using battery)

KERN FOB-NL

- **1** FOB 3K-4NL: Protection against dust and water splashes IP65 (only when using battery)
- **2** Protection against dust and water splashes IP67 (only when using battery)

| STANDARD | | OPTION | | | | | |
|--|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| | | 1 | 2 | | | | |
| KERN | FOB 0.5K-4NS | FOB 5K-3NS | FOB 3K-4NL | FOB 7K-4NL | FOB 10K-3NL | FOB 30K-3NL | |
| Weighing capacity [Max] kg | 0,5 | 5 | 3 | 5 7,5 | 8 15 | 16 30 | |
| Readability [d] g | 0,1 | 1 | 0,2 | 0,5 1 | 1 2 | 2 5 | |
| LCD-display – digit height | 20 mm, without backlight | | 25 mm, without backlight | | 25 mm, with backlight | | |
| Weighing plate W×D mm | 120×150 | | 248×198 | | 252×200 | | |
| Overall dimensions W×D×H mm | 150×170×40 | | 295×260×95 | | 285×255×90 | | |
| Power supply | Batteries included, 9 V block, operating time up to 20 h | | | Batteries included, 4×1.5 V AA, operating time up to 48 h | | | |
| Net weight approx. kg | 0,80 | | | 3,8 | | | |
| Permissible ambient temperature | 10 °C – 35 °C | | 10 °C – 40 °C | | 5 °C – 35 °C | | |
| Price, excl. of VAT, ex works, € | 125,- | 125,- | 330,- | 295,- | 295,- | 295,- | |



Compact veterinary scale for diverse applications – also with XL platform

- Features**
- Platform scale to weigh animals
 - Weighing plate: Easy and hygienic cleaning
KERN EOB: stainless steel
KERN EOE: steel, lacquered
 - Simple and convenient 4-key operation
 - Animal weighing program: While weighing animals that continue to move during the weighing process, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
 - Integrated AUTO-OFF function to preserve the batteries
 - Wall mount for display device, standard
 - Universal external mains adapter included with delivery
 - Protective working cover included with delivery

- Technical data**
- Large LCD display, digit height 25 mm
 - Weighing plate dimensions
A W×D×H 315×305×57 mm
B W×D×H 550×550×58 mm
C W×D×H 950×500×58 mm
 - Dimensions of display device W×D×H 235×114×51 mm
 - Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 60 h (EOB), 100 h (EOE)
 - Permissible ambient temperature 5 °C/35 °C

- Accessories**
- Protective working cover over the display device, scope of delivery: 5 items, KERN EOB-A04BS05, **€ 44,-**
 - **1** Stand to elevate display device, for models with weighing plate size **A**, Height of stand approx. 480 mm KERN EOB-A01N, **€ 70,-**
 - **2** Stand to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B, **€ 110,-**
 - Non-slip rubber mat, W×D×H 945×505×5 mm, KERN EOE-A01, **€ 50,-**

STANDARD

CAL EXT

UNIT

MOVE

BATT

MULTI

DMS

1 DAY

OPTION

DAKKS +3 DAYS

| Model | Weighing capacity | Readability | Weighing plate | Cable length (spiral cable) approx. | Net weight approx. | Price excl. of VAT ex works € | Options | |
|---------------|-------------------|-------------|----------------|---|-----------------------|--|---------------------------|-------|
| | | | | | | | DAKkS Calibr. Certificate | |
| KERN | [Max] kg | [d] g | | m | kg | | DAKkS KERN | € |
| EOB 15K5 | 15 | 5 | A | 1,8 | 3,8 | 185,- | 963-128 | 118,- |
| EOB 35K10 | 35 | 10 | A | 1,8 | 3,8 | 185,- | 963-128 | 118,- |
| EOB 60K20 | 60 | 20 | A | 1,8 | 3,8 | 185,- | 963-129 | 146,- |
| EOB 60K20L | 60 | 20 | B | 2,7 | 13 | 370,- | 963-129 | 146,- |
| EOE 150K50XL | 150 | 50 | C | 2 | 18 | 320,- | 963-129 | 146,- |
| EOE 300K100XL | 300 | 100 | C | 2 | 18 | 320,- | 963-129 | 146,- |



Affordable veterinary model that is suitable for stationary or mobile use

Features

- Robust platform scale to weigh large animals
- Weighing plate stainless steel, painted steel base. Easy and hygienic cleaning
- The low platform height facilitates access
- The scale can be easily transported using rollers and a handle and does not require much storage space
- Animal weighing program: While weighing animals that continue to move during the weighing process, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Simple and convenient 4-key operation
- Integrated AUTO-OFF function to preserve the batteries
- Wall mount for display device, standard
- Non-slip rubber mat included with delivery
- Universal external mains adapter included with delivery standard
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Cable length display device, spiral cable, approx. 2,7 m
- Weighing plate dimensions, stainless steel, W×D×H 950×500×58 mm
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 60 h
- Permissible ambient temperature 5 °C/35 °C
- Net weight approx. 19 kg

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN EOB-A04BS05, € 44,-
- Stand to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B, € 110,-
- 1 Non-slip rubber mat, W×D×H 945×505×5 mm, KERN EOE-A01, € 50,-

STANDARD

OPTION

| Model | Weighing capacity | Readability | Price excl. of VAT ex works € | Options | |
|---------------|-------------------|-------------|--|---------------------------|-------|
| | | | | DAkkS Calibr. Certificate | |
| | [Max] kg | [d] g | | DAkkS KERN | € |
| KERN | | | | | |
| EOS 150K50XL | 150 | 50 | 470,- | 963-129 | 146,- |
| EOS 300K100XL | 300 | 100 | 470,- | 963-129 | 146,- |

HOME CARE

DID YOU KNOW?

Our body analysis scale produces, within a very short period of time, an overview of your body composition and measures values such as body fat, body water, muscle mass, proportion of bone as well as body weight and calculates the BMI and exercise metabolic rate.

→ Ideal for all athletes and all those who are health-conscious



KERN Home Care balances have been specially designed for the user for self-monitoring of their body weight and other parameters. As with all KERN devices, these balances also undergo our strict quality controls and have been popular, tried and tested products for our customers for many years.

The KERN Home Care scales are not approved according to the Medical Device Directive or the Balance Directive and are therefore ideal for sports studios, pharmacies, medical supply stores or for self-monitoring at home.

Non-verified scales are not permitted to be used in medical applications. They are used for self-monitoring of the health status. Examples of these include personal scales and body fat scales. Such scales can be used to determine weight trends so that a doctor can be consulted in case of doubt. The patient is then weighed on verified scales at the medical practice to make a diagnosis.

180 YEARS

since 1844

KERN & SOHN



THE STORY CONTINUES

Even after 180 or 250 years, time doesn't stand still for the company's story – and even today, KERN is already setting its course for tomorrow. A glimpse into the future:


The range continues to grow

As we have done in recent years we will continue to expand our range of products and services thanks to our knowledgeable colleagues. Our workforce has already more than doubled. In addition to our headquarters in Balingen, we will be opening a second site in Southern Germany with a high-bay warehouse. International customers will also be supported by several European branches.

Even more accurate, more compact and more flexible

Thanks to technological advances, our balances and measuring devices achieve ever higher resolution and measuring accuracy. Many of them have also become more compact and can be used in a flexible way in different environments. Networking has long since become reality and is an essential feature for the future. Measuring and weighing systems communicate with each other and exchange data in real time with other systems, such as ERP systems. In this way they make a contribution to controlling processes automatically and highly efficiently, as well as being able to detect errors long before the costs explode. At the same time, staff shortages do not pose a problem either.





Software is the key to success

Our software division has become an important driver in terms of company development and will also be expanded in the future. Measuring and weighing software which has been tailored to particular industries will simplify and speed up measuring processes. It also supports our customers by analysing data automatically, detecting patterns and identifying anomalies. This enables our customers to make accurate predictions and thus improve their decision-making processes.

Is this all still just a dream? No.

The developments outlined here are already coming through. Our plans for a new company site have gone way beyond a mere vision. This also applies to technological development. Come and be amazed by KERN.

Our story started over 180 years ago and it continues to move forward. Go back to page 4/5 to find out more about our history and read more about today's generation of KERN on page 38/39.



Ergonomically-optimised baby scale with large lying surface



Features

- Modern design
- Large, ergonomically optimised tray for safe weighing of neonates
- Robust plastic tray
- Easy and hygienic cleaning
- Particularly flat and lightweight construction, so it is easy to transport and store
- Secure and non-slip positioning with rubber feet
- Easy to use
- Hold function: While weighing patients that are unable to lie still, a mean average weight value is determined. This allows for sufficient time to attend to the young patient, and then get a weight reading
- Difference function for calculating the weight gain before and after feeding
- Internal weight memory for one weight value
- Integrated AUTO-OFF function to preserve the batteries
- Weight displayed in kg or lb
- **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

Technical data

- LCD display, digit height 30 mm
- Dimensions of tray W×D 560×225 mm
- Overall dimensions W×D×H 597×350×74 mm
- Batteries included, 2×1.5 V AAA, operating time up to 20 h
- Net weight approx. 2,0 kg (per piece)

Accessories

- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,-
-  Carrying bag for mobile use, a carrying handle and shoulder strap ensure comfortable handling. 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, KERN YTB-01S05, € 165,-
-  Backpack for mobile use, 2 padded carrying straps and carrying handles for safe, convenient handling, additional, large zipped compartment for storing objects. 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, KERN YTB-02S05, € 240,-

STANDARD

UNIT

BATT

1 DAY

| Model | Weighing capacity | Readability | Price set of 5 units excl. of VAT ex works € |
|--------------|-------------------|-------------|---|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MBD 20K-2S05 | 15 | 0,01 | 425,- |



The robust classic for quick determination of body weight

Features

- Timeless design
- Robust construction
- 1 Large, clear circular scale which is easy to read
- 2 Large tread with anti-slip surface made of plastic
- Secure and non-slip positioning with rubber feet
- Easy to operate: stand – read the weight
- Easy adjustment of the display using the setting wheel
- Delivered in single design packaging
- **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

Technical data

- Digit height 8 mm
- Overall dimensions W×D×H 285×425×85 mm
- Net weight approx. 3,2 kg (per piece)

Accessories

- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,-



| Model | Weighing capacity | Readability | Price set of 5 units excl. of VAT ex works € |
|---------------|-------------------|-------------|---|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MGC 100K-1S05 | 150 | 1 | 360,- |



Elegant look combined with large, flat glass weighing plate to make it easier to step on and give maximum safety

- Features**
- Elegant design
 - Sturdy glass weighing plate
 - KERN MGD-L: particularly large weighing plate for secure, comfortable standing position
 - Easy and hygienic cleaning
 - Particularly flat design facilitates access
 - Generous weighing range
 - Secure and non-slip positioning with rubber feet
 - Easy to operate: simply tap on it – stand on it – read the weight
 - Integrated AUTO-OFF function to preserve the batteries
 - Weight displayed in kg or lb
 - **1** Large display that is easy to read
 - **2** Delivered in single design packaging
 - **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

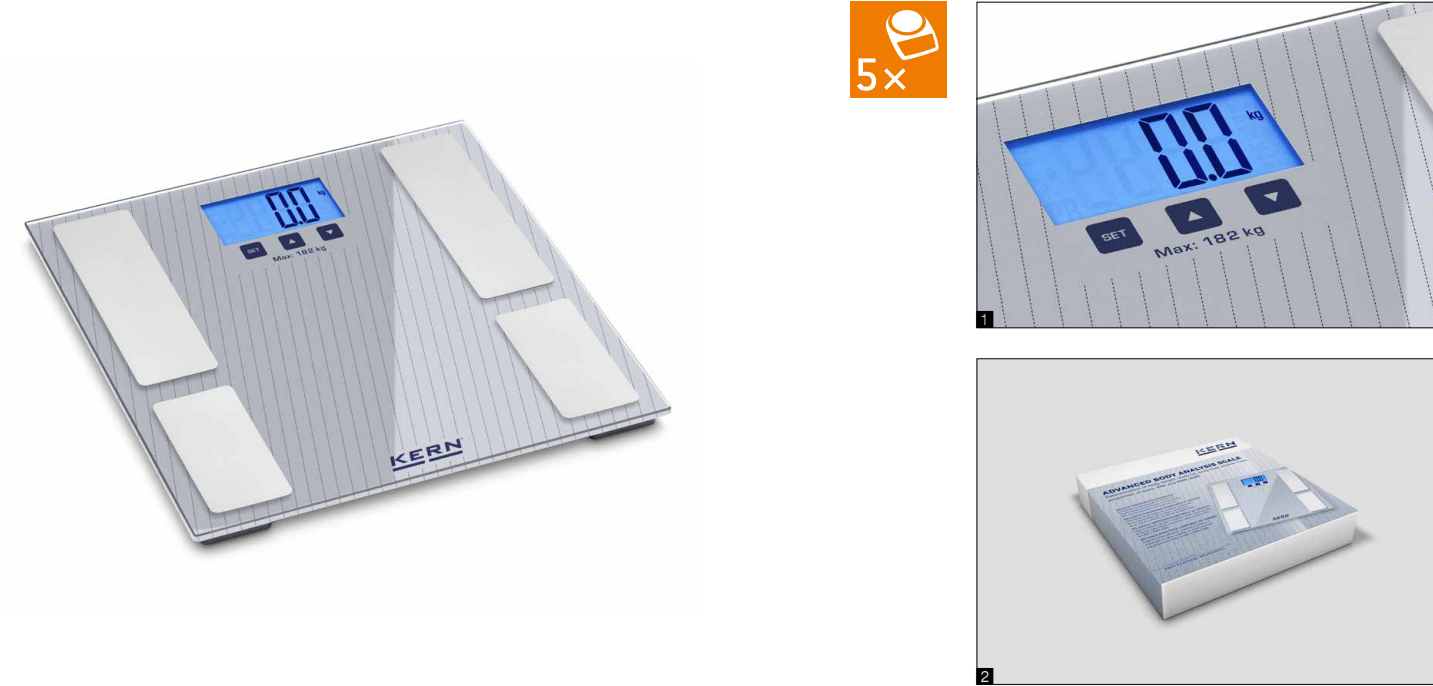
- Technical data**
- MGD 100K-1**
- LCD display, digit height 40 mm
 - Dimensions weighing surface, W×D 300×300 mm
 - Batteries included, 2×CR2032, operating time up to 100 h
 - Net weight approx. 1,6 kg (per piece)
- MGD 200K-1L**
- LCD display, digit height 50 mm
 - Dimensions weighing surface, W×D 380×330 mm
 - Batteries included, 3×1,5V AAA, operating time up to 100 h
 - Net weight approx. 1,6 kg (per piece)

- Accessories**
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, **€ 55,-**

STANDARD



| Model | Weighing capacity | Readability | Price set of 5 units excl. of VAT ex works € |
|----------------|-------------------|-------------|---|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MGD 100K-1S05 | 180 | 0,1 | 130,- |
| MGD 200K-1LS05 | 250 | 0,1 | 190,- |



Design body analysis scale to determine body weight, body fat, body fluid, muscle mass, proportion of bone, BMI and metabolic rate/metabolic rate when exercising

| Features | Technical data | Accessories |
|--|---|--|
| <ul style="list-style-type: none">• Used to determine body fat, body water, muscle mass with an accuracy of 0.1 % as well as the body weight and bone mass in 0.1 kg increments• Display showing the calorie requirements for maintaining the current body weight depending on the level of activity and sex• Elegant design• Sturdy glass weighing plate with four large contact surfaces for maximum precision• Easy and hygienic cleaning• Particularly flat design facilitates access• Secure and non-slip positioning with rubber feet• Easy to operate: simply tap on it – stand on it – read the weight• Memory for up to 10 people (gender, age, height, level of activity)• Integrated AUTO-OFF function to preserve the batteries• Weight displayed in kg or lb• 1 Large high-contrasted display that is easy to read• 2 Delivered in single design packaging• 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 | <ul style="list-style-type: none">• LCD display, digit height 35 mm• Overall dimensions W×D×H 300×300×25 mm• Batteries included, 2×CR2032, operating time up to 100 h• Net weight approx. 1,8 kg (per piece) | <ul style="list-style-type: none">• Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01, € 55,- |

STANDARD

UNIT

BATT

1 DAY

| Model | Weighing capacity | Readability | Price set of 5 units excl. of VAT ex works € |
|----------------|-------------------|-------------|---|
| | [Max] kg | [d] kg | |
| KERN | | | |
| MFB 150K100S05 | 182 | 0,1 | 200,- |

KERN – COMMITMENT TO QUALITY AT AN INTERNATIONAL LEVEL



Partners with experience and competence are an essential factor for process-oriented processes in professional weighing and measuring technology. With KERN you have a service partner by your side who has a state-of-the-art test service with an accredited calibration laboratory. Our colleagues are available both for technical questions and also individual solutions and will be glad to help you.

The following accreditations and certificates represent our commitment to quality: Certified QM system DIN EN ISO 9001, DAkkS Accreditation DIN EN ISO/IEC 17025, conformity evaluation in accordance with NAWID: 2014/31/EU, Medical certifications DIN EN ISO 13485 and 93/42/EEC.

You can also find further information online, please see www.kern-lab.com



Accredited calibrations according to DIN EN ISO/IEC 17025:2018 norms for balances, weights, force, volumes of solid bodies, densities of solid bodies, temperature, humidity



CONFORMITY
ASSESSMENT
ACCORDING TO
NAWID:
2014/31/EU