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The oldest Precision Balance
Factory in Germany

180 YEARS
since 1844
KERN & SOHN

KERN[®]

EN

Clinic – Practice – Care

MEDICAL SCALES

It's so easy to order from KERN:

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www.kern-sohn.com

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online shop – simply use the QR Code:



180 Years KERN & SOHN
Interested? See ...

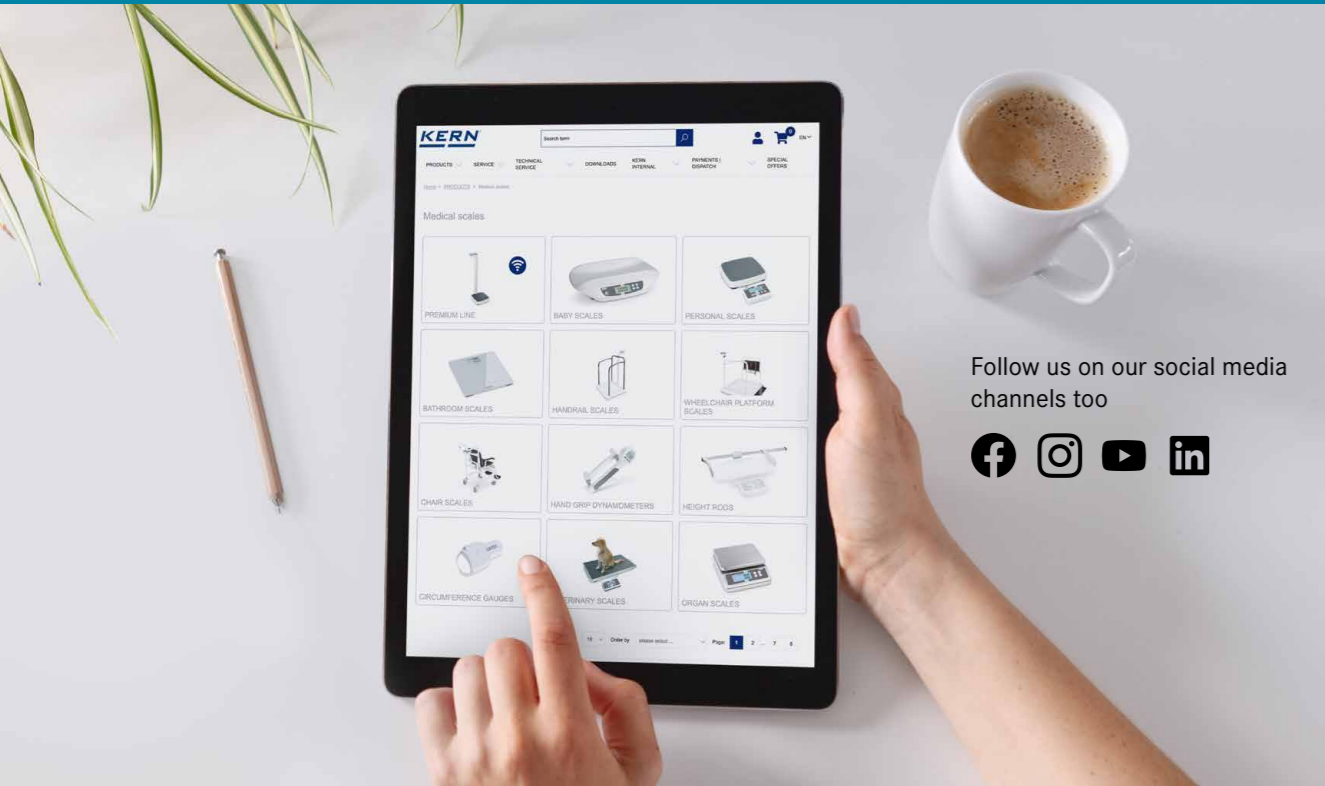
on page 4 → How it all began
on page 38 → The KERN family today
on page 68 → Sneak peek into the future



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
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PROFESSIONAL MEASURING



24

180 YEARS
since 1844
KERN & SOHN

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 entire 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 available 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

- DAkS 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 calibration laboratory, we perform DAkS 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 requirements. 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/

SPARE PARTS AND REPAIR SERVICE

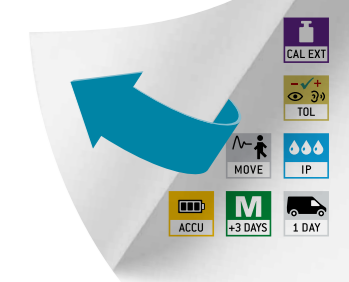
In spite of reliable KERN quality: If you should ever need to make a complaint about our products, we will help you quickly, flexibly and in an unbureaucratic manner.

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](#)



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▶ KERN Customer Consultants
▶ KERN Models A-Z
▶ KERN Pictograms

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EIGHT GENERATIONS – WHAT A PASSION

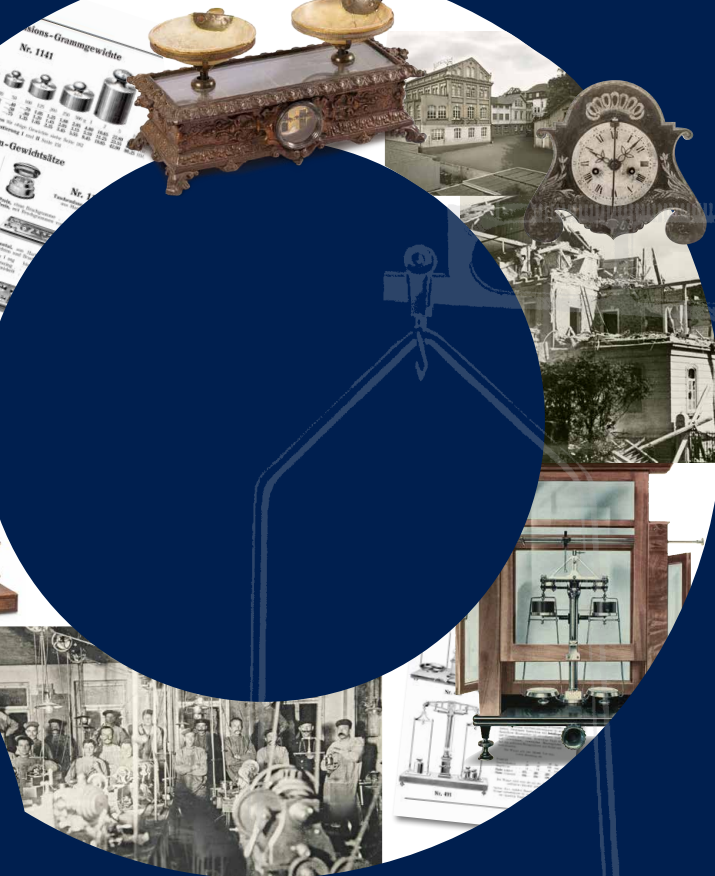
Our history as the oldest German precision balance manufacturer started over 250 years ago. In 1769 in the tranquil setting of Onstmettingen in the Swabian mountains, the village blacksmith, Johann Jakob Sauter I, forged an automatic balance. This had been developed by the pastor and inventor Philipp 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

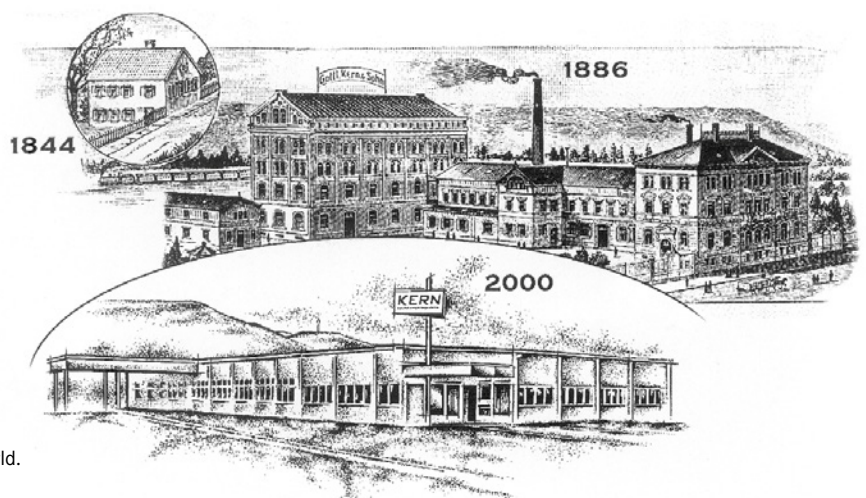
KERN & SOHN



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).

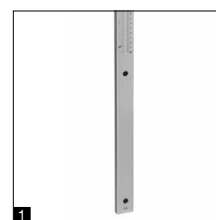
The requirements for re-verification are based on national regulations. In Germany, for example, this is the Verification Ordinance. The operator of the scale is obliged to ensure that the national requirements are met and that the conformity assessment markings remain intact.

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

- | | | |
|--|---|--|
| <p>MSB 80</p> <ul style="list-style-type: none"> • 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 | <p>MBA-A01</p> <ul style="list-style-type: none"> • 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) | <p>MSF 200</p> <ul style="list-style-type: none"> • 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.
			W×D×H mm	
KERN	mm (inch)	mm		kg
MSB 80	10 – 80	1	882×70×28	0,7
MBA-A01	30 – 80 (11 4/5 – 31 1/2)	1 (1 1/16)	850×240×60	0,4
MSF 200	60 – 205 (23 1/2 – 78 3/4)	1 (1 1/16)	53×40×1000	0,8



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
- **3** Carrying case for mobile use, only for models without height rod, KERN MBC-A02
- **4** Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05
- 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
- 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
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44

STANDARD: MOVE, BATT, MULTI, 1 DAY

OPTION: ACCU, MULTI

FACTORY: M, +3 DAYS

CE 0297

*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

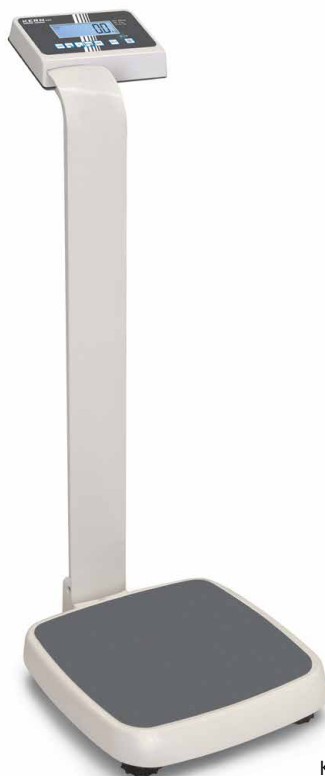
Model	Weighing range	Readout	Verification value	Mandatory by law
	[Max] kg	[d] kg	[e] kg	Verification KERN
KERN				
MBC 15K2DEM	6 15	0,002 0,005	0,002 0,005	965-128.
MBC 15K2DM	6 15	0,002 0,005	0,002 0,005	965-128.
MBC 20K10EM	20	0,01	0,01	965-128.
MBC 20K10M	20	0,01	0,01	965-128.



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
- 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
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44
- Interface cable RS-232 to connect an external device, KERN CFS-A01
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD						OPTION		FACTORY		CE 0297
RS 232	GLP PRINTER	MOVE	BATT	MULTI	1 DAY	ACCU	MULTI	M	+3 DAYS	
MPE						MPE-E				

*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	Mandatory by law
	[Max] kg	[d] kg	[e] kg	Verification M III KERN
KERN				
MPE 200K-1PEM	250	0,1	0,1	965-129
MPE 250K100PM	250	0,1	0,1	965-129
MPE 200K-1HEM	250	0,1	0,1	965-129
MPE 250K100HM	250	0,1	0,1	965-129



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 WxDxH 275x295x58 mm
- Dimensions of display device WxDxH 216x110x47 mm
- MPS-M: Cable length of display device approx. 1,21 m
- Overall dimensions WxDxH
MPS-M: 275x295x58 mm
MPS-PM: 275x445x1020 mm (incl. stand)
- Battery operation possible, 6x1.5 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

- 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
- Internal rechargeable battery pack, operating time up to 35 h without backlight, charging time approx. 14 h, KERN FOB-A08
- Interface cable RS-232 to connect an external device, KERN MPS-A08
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD					OPTION		FACTORY	
RS 232	MOVE	BATT	MULTI	1 DAY	ACCU	+3 DAYS		0297

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Model	Weighing range	Readout	Verification value	Mandatory by law
	[Max]	[d]	[e]	Verification
	kg	kg	kg	
MPS 200K100M	200	0,1	0,1	965-129
MPS 200K100PM	200	0,1	0,1	965-129



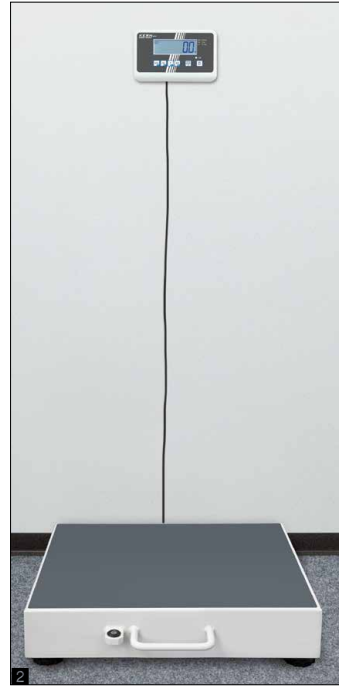
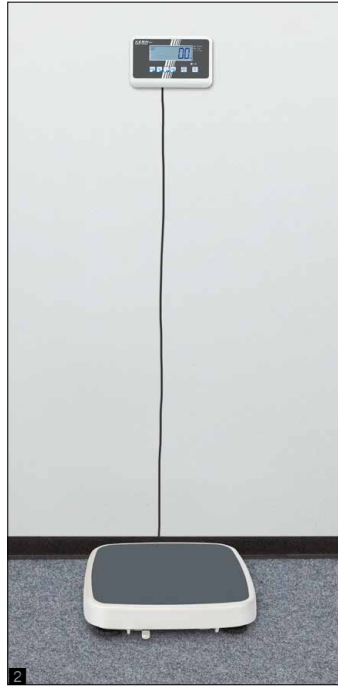
**Compact personal floor scale – with approval for professional medical use
in medical diagnostics, verification optional**



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 WxDxH 200x130x60 mm
- Cable length of display device approx. 1,8 m
- Battery operation possible, 6x1.5 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
- 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
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44
- RS-232 data interface, must be ordered at purchase, KERN MPC-A01
- Interface cable RS-232 to connect an external device, KERN CFS-A01

*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: GLP PRINTER, MOVE, BATT, MULTI, 1 DAY. OPTION: ACCU. FACTORY: RS 232, +3 DAYS, CE 0297.

Model	Weighing range	Readout	Verification value	Weighing plate	Net weight approx.	Mandatory by law Verification
	[Max] kg	[d] kg	[e] kg	WxDxH mm	kg	MTC KERN
MPC 250K100M	250	0,1	0,1	365x370x80	9	965-129
MPC 300K-1LM	300	0,1	0,1	400x500x120	10	965-129



**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
- **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

Only MPD 250K100M:

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

STANDARD			OPTION		FACTORY	CE 0297
BATT	MULTI	1 DAY	ACCU	+3 DAYS	M	
MPD			MPD			

*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	Mandatory by law Verification
	[Max] kg	[d] kg	[e] kg	 KERN
MPD 250K100M	250	0,1	0,1	965-129
MPD 200K-1EM	250	0,2	0,2	965-129



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



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

- 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 WxD 880x840 mm
- Dimensions of display device WxDxH 200x130x60 mm
- Cable length of display device approx. 3 m
- Overall dimensions, without handrail, WxDxH 1180x1130x90 mm
- Battery operation possible, 6x1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 70 kg

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

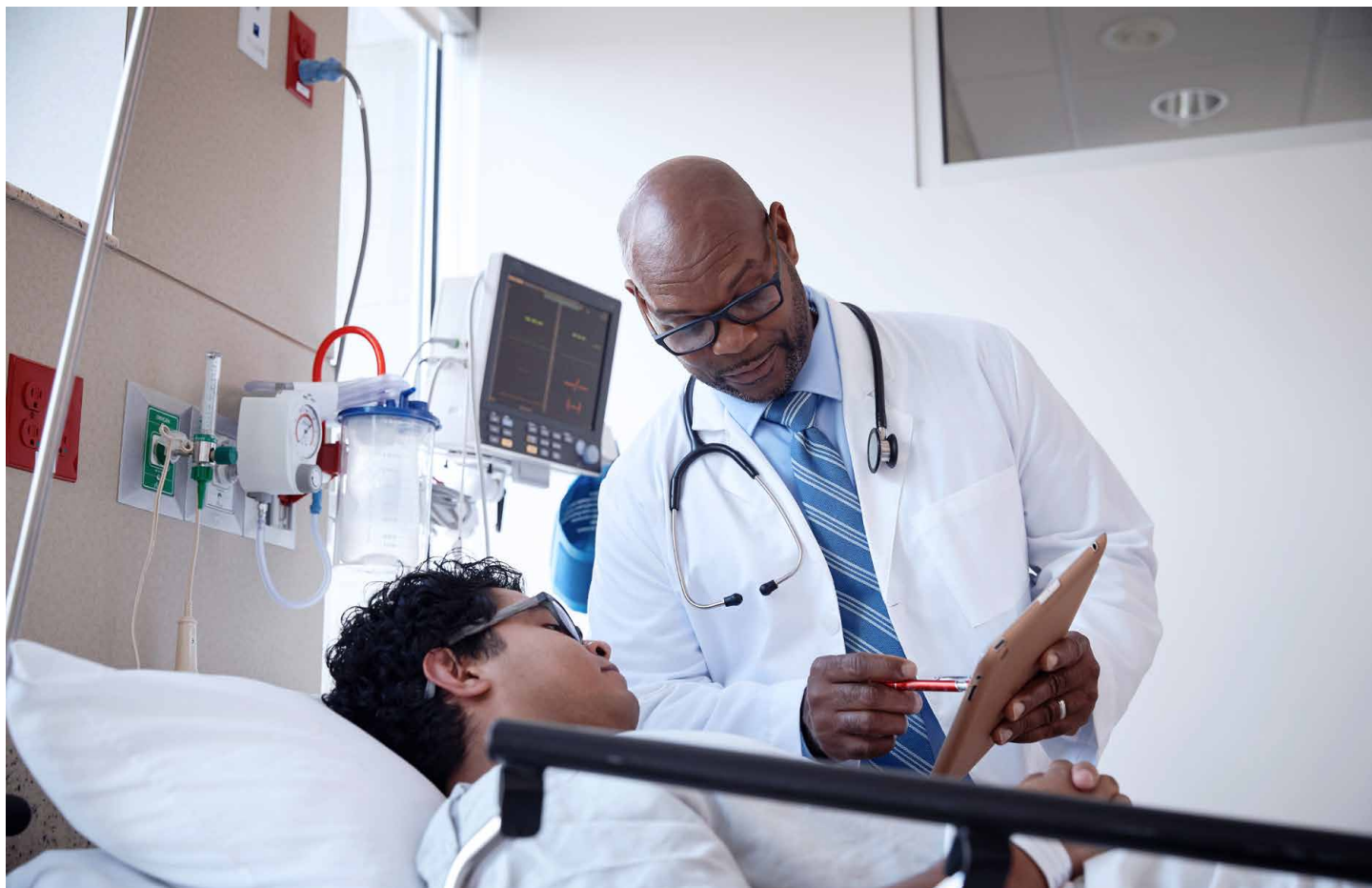
Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05
- 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
- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44
- Interface cable RS-232 to connect an external device, KERN CFS-A01
- **3** Handrail, lacquered steel, dimensions WxDxH approx. 560x40x920 mm, scope of supply: handrail, fasteners, net weight approx. 4,0 kg, KERN MWA-A02
- **4** MWA 300K-1M: Handrail kit with folding patient seat, please add this to your order, retrofitting is not possible, KERN MWA-A04
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD							OPTION		FACTORY		CE 0297
RS 232	GLP PRINTER	MOVE	IP 65	BAT	MULTI	2 DAYS	ACCU	M +3 DAYS			

*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	Mandatory by law
	[Max] kg	[d] kg	[e] kg	Verification
KERN				M KERN
MWA 300K-1M	300	0,1	0,1	965-129
MWA 300K-1PM	300	0,1	0,1	965-129



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 WxDxH 210x110x45 mm
- Cable length of display device approx. 1,85 m
- Overall dimensions WxDxH
MWS 300K100M: 1158x835x60 mm
MWS 400K100DM: 1255x1060x69 mm
MWS 300K-1LM: 1500x860x68 mm
- Battery operation possible, 6x1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard

Accessories

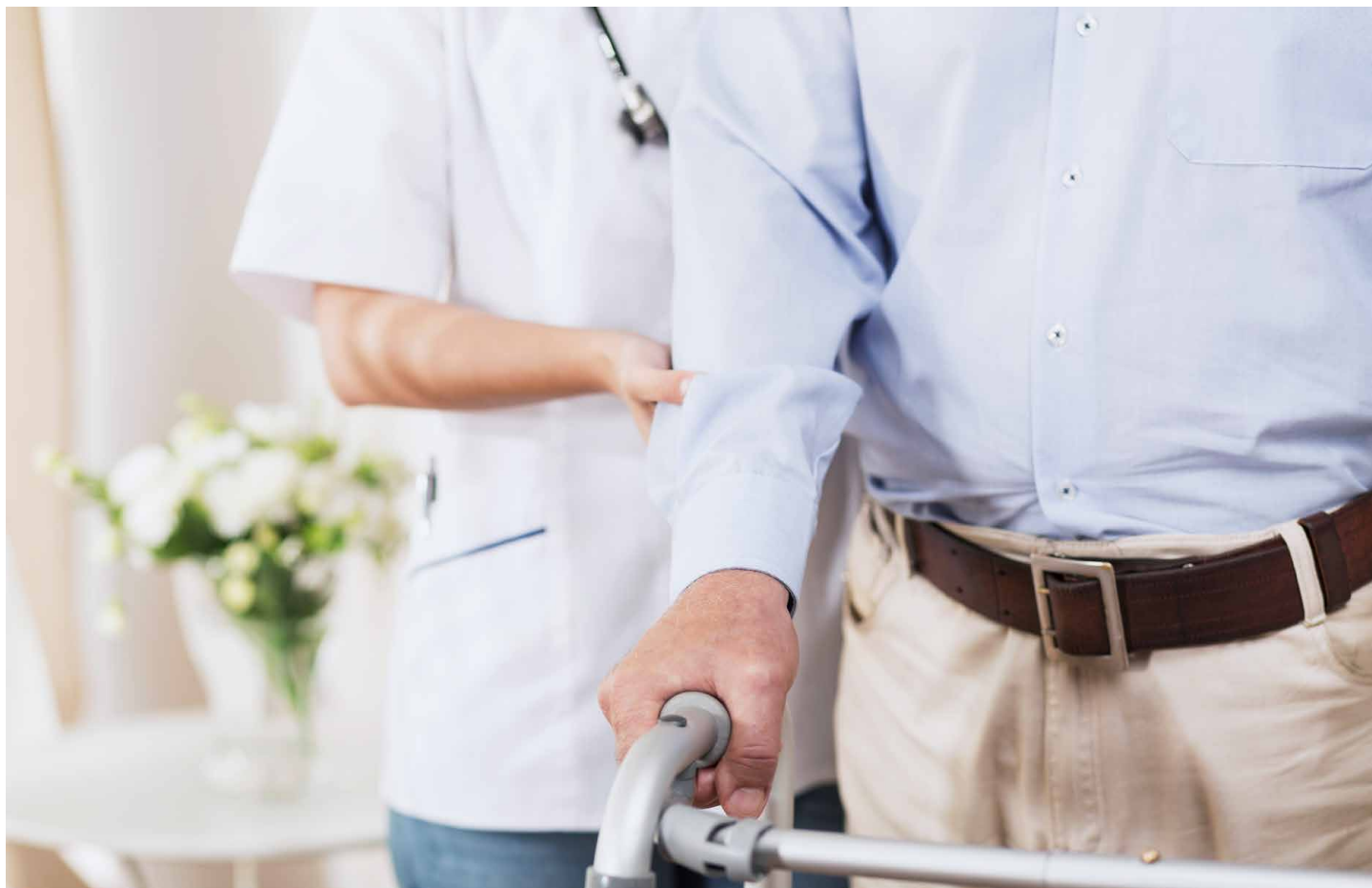
- **1** Handrail set to fit to the wheelchair platform scale KERN MWS 300K100M, WxDxH approx. 60x1150x900 mm. Scope of delivery: two hand-

- rails, a stability bar, fasteners, overall dimensions WxDxH 1155x830x65 mm (MWS 300K100M + MWS-A02), KERN MWS-A02
- Stand to elevate display device, height of stand approx. 950 mm, KERN MWS-A01
- 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
- Internal rechargeable battery pack, operating time up to 45 h without backlight, charging time approx. 14 h, KERN FOB-A08
- Interface cable RS-232 to connect an external device, KERN MPS-A08
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

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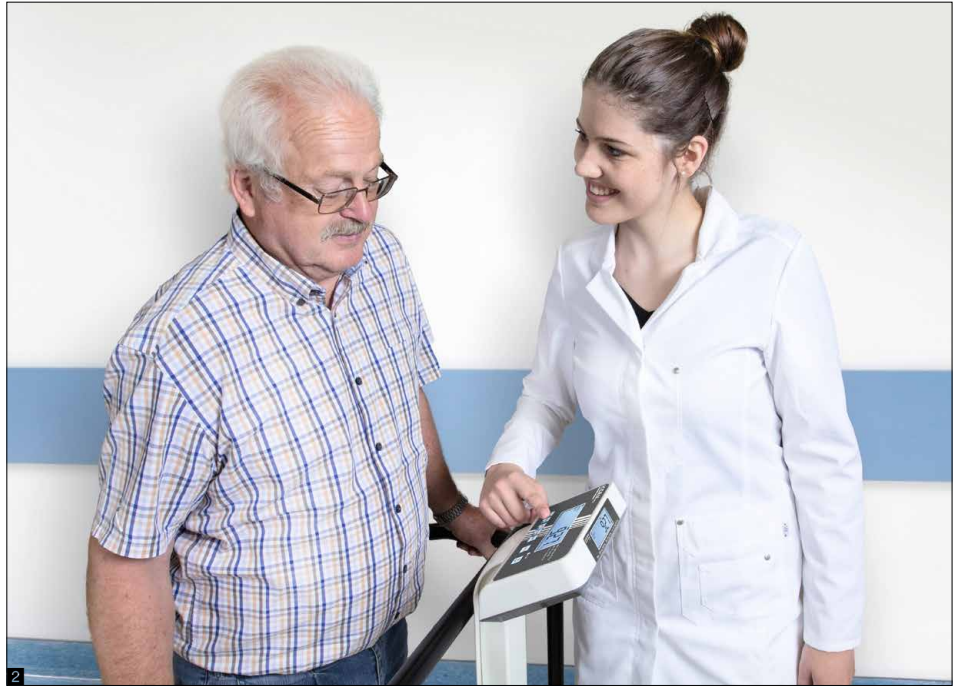
STANDARD: RS 232, MOVE, BATT, MULTI, 2 DAYS
 OPTION: ACCU
 FACTORY: M +3 DAYS
 CE 0297

Model	Weighing range	Readout	Verification value	Weighing plate	Net weight approx.	Mandatory by law Verification
	[Max] kg	[d] kg	[e] kg	WxDxH mm	kg	M III KERN
MWS 300K100M	300	0,1	0,1	910x740	30	965-129
MWS 400K100DM	300 400	0,1 0,2	0,1 0,2	1000x1000	44	965-130
MWS 300K-1LM	300	0,1	0,1	800x1200	42	965-129



**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 WxDxH 200x55x128 mm
- Dimensions weighing surface WxD 600x600 mm
- Weighing plate dimensions WxDxH 780x680x68 mm
- Overall dimensions WxDxH 780x680x1100 mm
- Optional battery operation, 6x1.5 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
- 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

- Internal rechargeable battery pack, operating time up to 40 h without backlight, charging time approx. 12 h, KERN MBC-A08
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43
- External mains adapter, 100 V - 240 V, Standard EU, KERN YKA-44
- Interface cable RS-232 to connect an external device, KERN CFS-A01
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

STANDARD					OPTION		FACTORY	

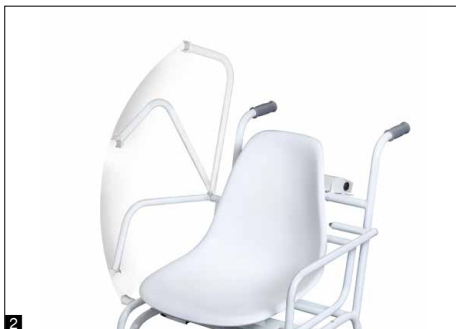
*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification

Model	Weighing range	Readout	Verification value	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	
MTA 400K-1M	300 400	0,1 0,2	0,1 0,2	965-130



**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 WxDxH 210x110x50 mm
- Dimensions of seating surface WxD 380x360 mm
- Overall dimensions WxDxH 647x860x910 mm
- Battery operation possible, 6x1.5 V AA not included, operating time up to 50 h
- Mains adapter external, standard
- Net weight approx. 22 kg

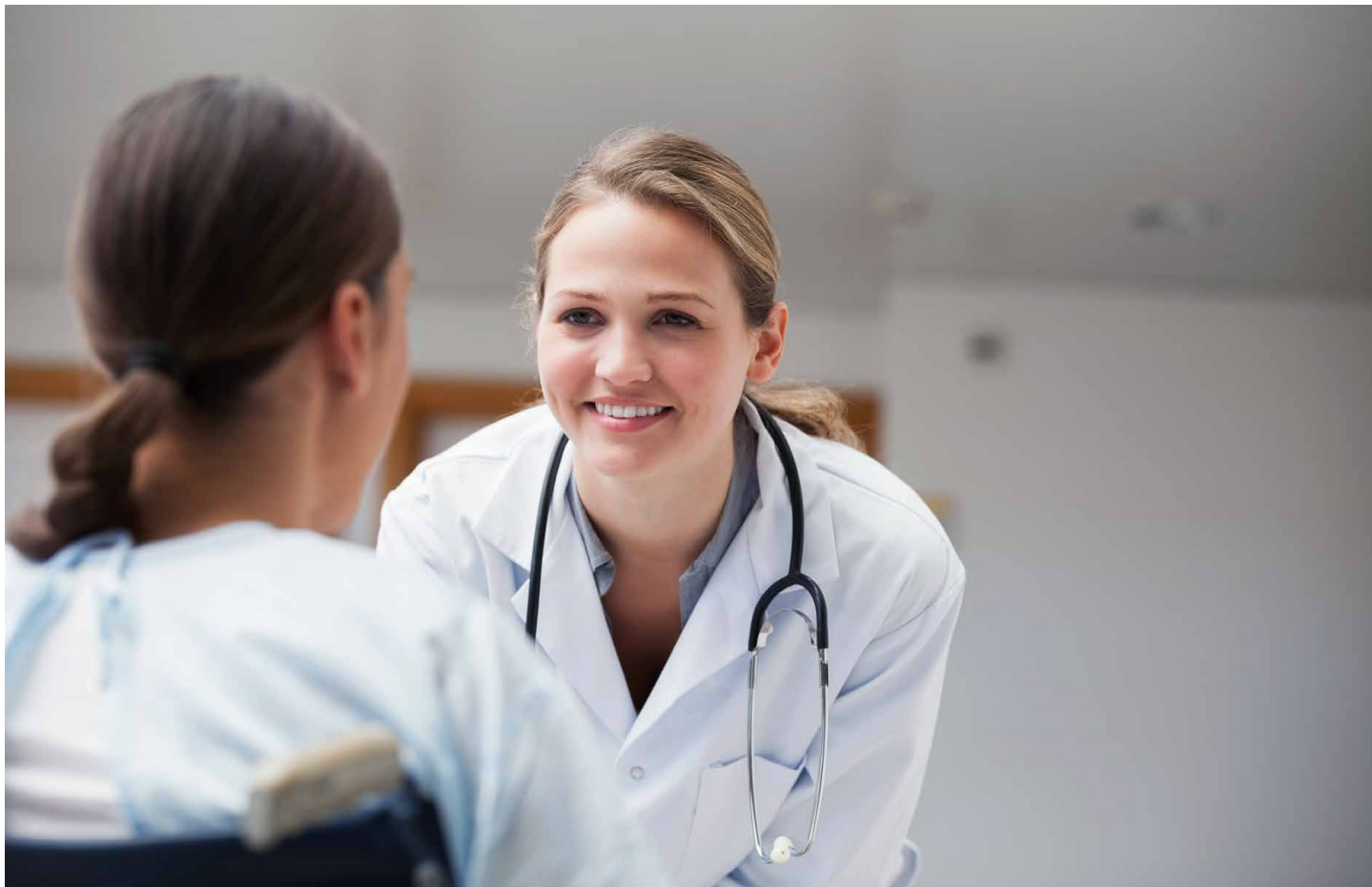
Accessories

- 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 20x22 cm per cloth, KERN MYC-01
- Internal rechargeable battery pack, operating time up to 50 h without backlight, charging time approx. 14 h, KERN FOB-A08
- Interface cable RS-232 to connect an external device, KERN MPS-A08
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- For further details, plenty of further accessories and suitable printers, see Internet

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

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Model	Weighing range	Readout	Verification value	Mandatory by law Verification
	[Max]	[d]	[e]	
KERN	kg	kg	kg	KERN
MCB 300K100M	300	0,1	0,1	965-129



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 WxDxH 200x130x60 mm
- Dimensions of seating surface WxD 390x360 mm
- Overall dimensions WxDxH 625x990x985 mm
- Rechargeable battery pack integrated, as standard, operating time up to 40 h without backlight, charging time approx. 12 h
- Battery operation possible, 6x1.5 V AA not included, operating time up to 20 h
- **4** External mains adapter as standard, with strain-relief and disconnector 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
- Protective working cover over the display device, scope of delivery: 5 items, KERN MBC-A06S05
- 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

STANDARD

FACTORY

M +3 DAYS

CE 0297

*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	Mandatory by law Verification
	[Max] kg	[d] kg	[e] kg	M III KERN
KERN MCC 250K100M	250	0,1	0,1	965-129

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.*

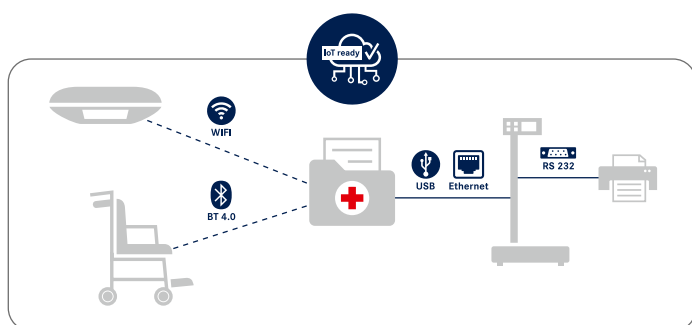
- Thanks to the standard power supply, optional rechargeable battery pack (except for KERN MBA) or battery option, the user is not tied to a particular location.
- Rechargeable battery or batteries can be easily inserted into the optimised battery compartment on the side of the terminal.*

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.



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

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

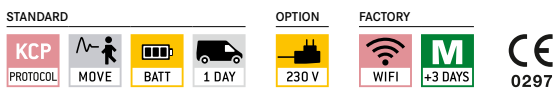
- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Modern design
- **1** Safe-Guard tray: the special, particularly recessed tray with raised side bolsters offers optimum conditions for the safe weighing of babies
- 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 WxD 600x260 mm
- Overall dimensions WxDxH 600x360x141 mm
- Batteries included, 6x1.5 V AA, operating time up to 20 h (up to 50 h without using WiFi)
- Net weight approx. 4,6 kg

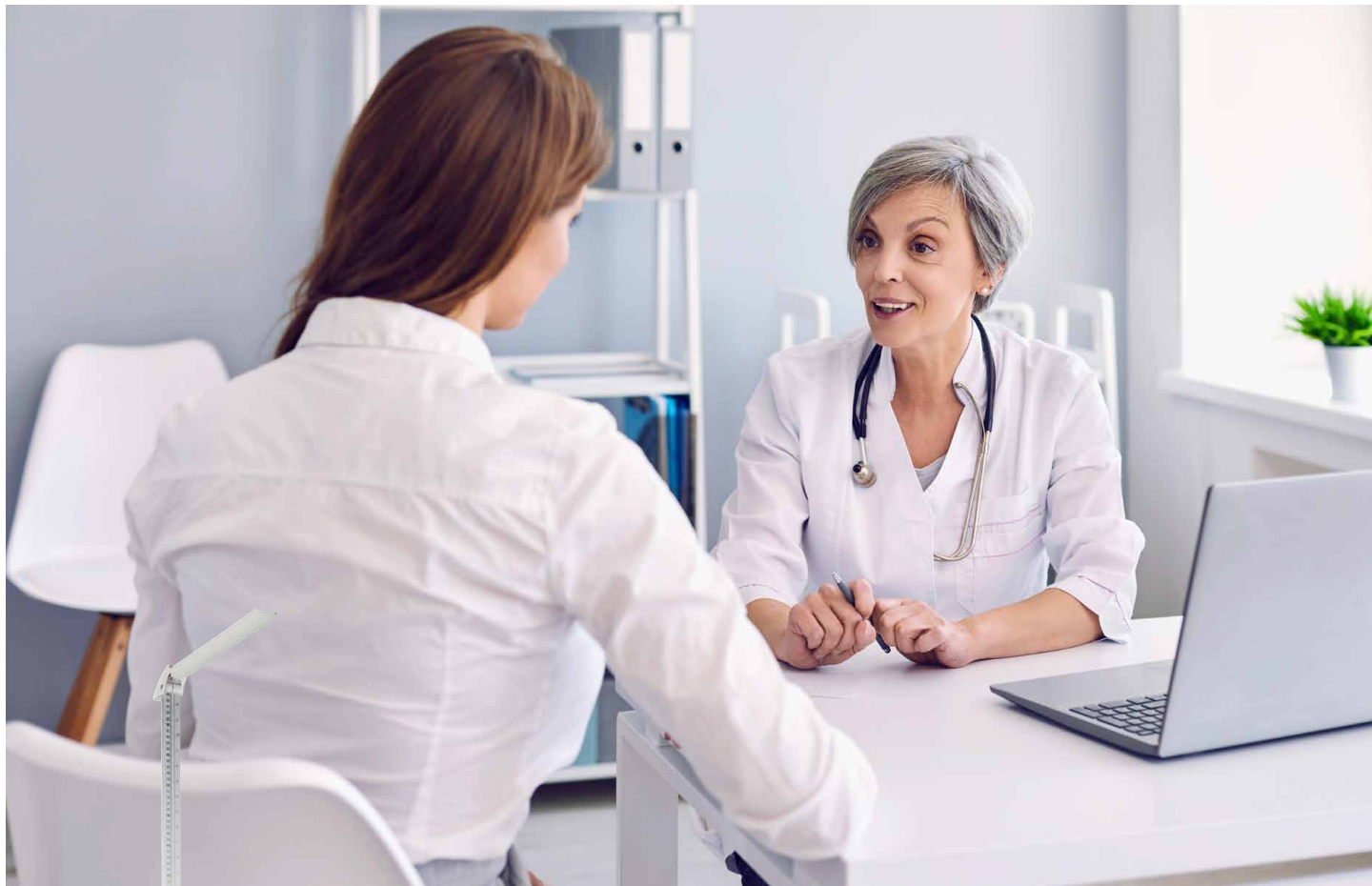
Accessories

- **2** Mechanical height rod to fix to the scale, measuring range 30 cm–80 cm, increments of 0,1 cm, KERN MBA-A01
- WiFi data interface to transfer data from balances to PC or tablet, must be ordered at purchase, KERN YMI-A01
- 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
- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43



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Model	Weighing range	Readout	Verification value	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	 KERN
MBA 10K-3M	15	0,005	0,005	965-128.



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
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

*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

- WIFI
- GLP PRINTER
- KUP
- KCP PROTOCOL
- MOVE
- BATT
- MULTI
- 1 DAY

OPTION

- RS 232
- USB
- BT 4.0
- LAN
- ACCU

FACTORY

- ALIBI
- +3 DAYS



Model	Weighing range	Readout	Verification value	Overall dimensions (with extracted height rod)	Mandatory by law
	[Max] kg	[d] kg	[e] kg	W×D×H mm	Verification
KERN					
MPN 200K-1PM	250	0,1	0,1	365×570×1030	KERN 965-129
MPN 200K-1HM	250	0,1	0,1	365×570×2134	965-129



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 WxDxH
MPN: 365x370x80 mm
MPN-L: 400x500x120 mm
- Dimensions of display device WxDxH
210x54x100 mm
- Cable length of display device approx. 1,8 m
- Battery operation possible, 6x1.5 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
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

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STANDARD

OPTION

FACTORY

Model	Weighing range	Readout	Verification value	Mandatory by law
	[Max]	[d]	[e]	Verification
	kg	kg	kg	
KERN				
MPN 200K-1M	250	0,1	0,1	965-129
MPN 300K-1LM	300	0,1	0,1	965-129



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 WxD 910x740 mm
- Dimensions of display device WxDxH 210x54x100 mm
- Cable length of display device approx. 1,8 m
- Overall dimensions WxDxH 1160x830x73 mm
- Battery operation possible, 6x1.5 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
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

*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	Mandatory by law
	[Max]	[d]	[e]	Verification
KERN	kg	kg	kg	M III
MWN 300K-1M	300	0,1	0,1	KERN 965-129



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 WxD 390x360 mm
- Dimensions of display device WxDxH 210x54x100 mm
- Battery operation possible, 6x1.5 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
- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

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STANDARD

WIFI	GLP	PRINTER	KUP	PROTOCOL	MOVE	BATT	MULTI	2 DAYS

OPTION

RS 232	USB	BT 4.0	LAN	ACCU

FACTORY

ALIBI	M	CE 0297

Model	Weighing range	Readout	Verification value	Mandatory by law
	[Max]	[d]	[e]	Verification
KERN	kg	kg	kg	
MCN 200K-1M	250	0,1	0,1	KERN 965-129



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.



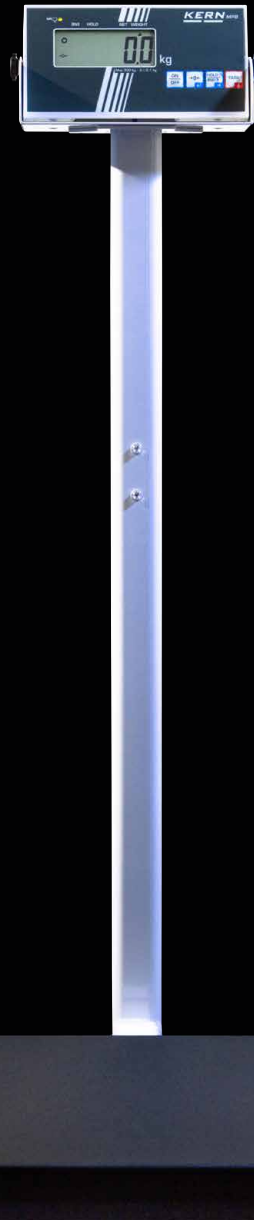
We focus on using recyclable materials in our packaging. By creating attractive and secure jobs, we are also making an important contribution to strengthening the economic power of the region.

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)

STANDARD



Model	Measuring range	Increments of	Overall dimensions	Net weight approx.
	cm (inch)	mm	W×D×H mm	kg
KERN MSW 200S05	205 (80)	1	55×90×20	0,25



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 OPTION

UNIT
 BATT
 1 DAY
 ISO +3 DAYS

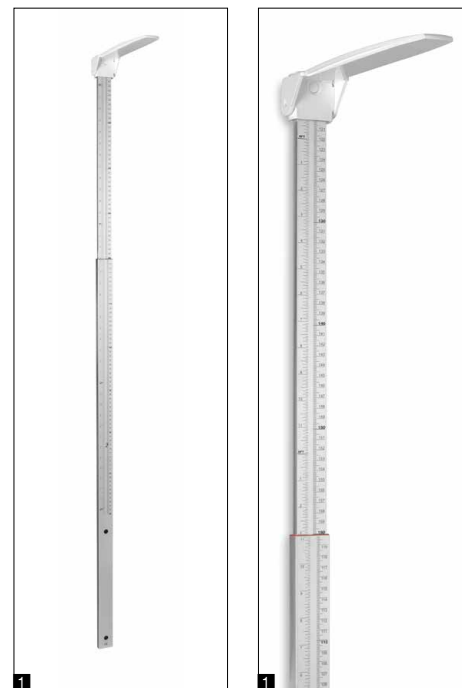
Model	Measuring range	Readout	Spring sets	Overall dimensions	Options
					ISO Calibr. Certificate
	[Max] kg	[d] g	kg	WxDxH mm	ISO KERN
KERN					
MAP 80K1S	80	100	10, 20, 40, 80	55x88x212	961-102K
MAP 80K1	80	100	20, 40, 80	55x102x212	961-102K
MAP 130K1	130	100	40, 80, 130	55x102x212	961-102K



KERN MPB-P



KERN MPB



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
- 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

STANDARD

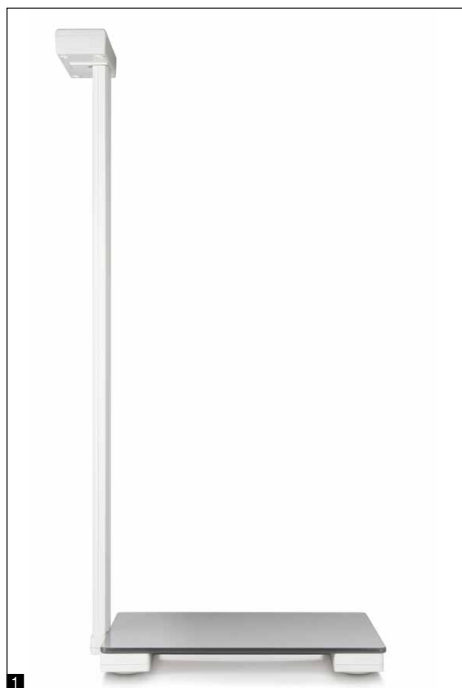


Model	Weighing range	Readout	Weighing plate	Net weight approx.
	[Max] kg	[d] kg	W×D×H mm	kg
KERN				
MPB 300K100P	300	0,1	315×300×55	7
MPB 300K100	300	0,1	315×300×60	4,6



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

STANDARD



Model	Weighing range	Readout
	[Max] kg	[d] kg
KERN		
MPK 200K-1P	250	0,1
MPL 200K-1P	250	0,1



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

STANDARD

UNIT	BATT	1 DAY
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Model	Weighing range	Readout
	[Max] kg	[d] kg
KERN MPI 200K-1S05	200	0,1



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
- 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

STANDARD

Model	Weighing range	Readout
	[Max] kg	[d] kg
KERN		
MWB 300K-1	300	0,1



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 WxDxH 200x130x60 mm
- Dimensions of seating surface WxD 390x360 mm
- Overall dimensions WxDxH 625x990x985 mm
- Batteries included, 6x1.5 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
- 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

STANDARD



Model	Weighing range	Readout
KERN	[Max] kg	[d] kg
MCD 300K-1	300	0,1

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
- Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03
- **4** Large display with superior display size, KERN YKD-A02
- 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
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01

- 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
- Matrix needle printer, KERN YKN-01
- 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
- Thermal printer, KERN YKB-01N
- 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 [Max] kg	Readout [d] kg	Verification value [e] kg	Minimum load [Min] kg	Net weight approx. kg	Mandatory by law Verification KERN 965-230
KERN						
NFN 600K-1M	600	0,2	0,2	4	105	965-230
NFN 1.5T-4M	1500	0,5	0,5	10	105	965-230



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


Features

- 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

Technical data

- 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

Accessories

- Protective working cover, scope of delivery 5 items, KERN FOB-A13S05
- External mains adapter, KERN YKA-29
-  Tare pan made from stainless steel, overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02



Model	Weighing capacity	Readability	Weighing plate W×D
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

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
- **2** Flat square-shaped sensor for lateral power sensing of back, chest or arm up to 1 kN, inner thread: M6, KERN AC 46
- **3** Round sensor to measure particular muscle groups, such as, for example, the shoulder up to 1 kN, inner thread: M6, KERN AC 47

SAUTER FK

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

SAUTER FH

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

STANDARD										OPTION		
FH	FH	FH	FH	FH	FK	FH					FH	FH

Model	Measuring range	Division	Thread	Overall dimensions W×D×H	Net weight approx.
SAUTER					
FK 50	50	0,02	M8	195×82×35	0,75
FK 100	100	0,05	M8	195×84×35	0,60
FK 250	250	0,1	M8	195×82×35	0,60
FK 500	500	0,2	M8	195×84×35	0,65
FK 1K	1000	0,5	M8	195×83×35	0,50
FH 50	50	0,01	M6	240×66×36	0,65
FH 100	100	0,05	M6	270×66×36	0,80
FH 200	200	0,1	M6	244×65×36	0,80
FH 500	500	0,1	M6	230×66×36	0,80

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)

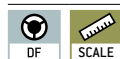
Technical data

- 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

KERN	Tube	Eyepiece	Objective quality	Objectives	Illumination
OBE 121	Monocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)
OBE 122	Binocular	HWF 10×/ø 18 mm	Achromatic	4×/10×/40×	3W LED (transmitted)
OBE 124	Trinocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)
OBE 131	Monocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)
OBE 132	Binocular	HWF 10×/ø 18 mm	Achromatic	4×/10×/40×/100×	3W LED (transmitted)
OBE 134	Trinocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)



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)

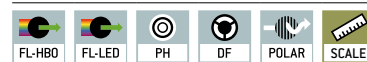
Technical data

- 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



OPTION



Model

Standard configuration

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)
OBL 137	Trinocular	HWF 10×/ø 20 mm	Infinity E-Plan		3 W LED (transmitted)



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)

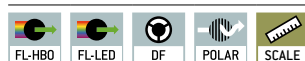
Technical data

- 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

KERN	Tube	Eyepiece	Objective quality	Objectives	Illumination
OBN 132	Trinocular	HWF 10×/∅ 20 mm	Infinity Plan	4×/10×/20×/40×/100×	20 W Halogen (transmitted)
OBN 135	Trinocular	HWF 10×/∅ 20 mm	Infinity Plan	4×/10×/20×/40×/100×	3 W LED (transmitted)
OBN 158	Trinocular	HWF 10×/∅ 20 mm	Infinity Plan	4×/PH10×/PH20×/PH40×/PH100×	20 W Halogen (transmitted)
OBN 159	Trinocular	HWF 10×/∅ 20 mm	Infinity Plan	4×/PH10×/PH20×/PH40×/PH100×	3 W LED (transmitted)



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 (∅ 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

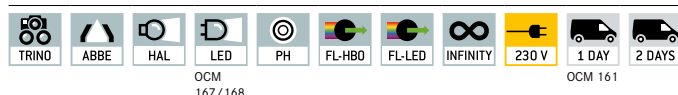
OCM 161

- 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



Model

Standard configuration


KERN	Tube	Eyepiece	Objective quality	Objectives	Illumination
OCM 161	Trinocular	HWF 10×/∅ 22 mm	Infinity Plan		30 W Halogen (transmitted)
OCM 165	Trinocular	HWF 10×/∅ 22 mm	Infinity Plan		30 W Halogen + 100 W Epi Fluorescence (B/G)
OCM 166	Trinocular	HWF 10×/∅ 22 mm	Infinity Plan	LWD10×/LWD20×/ LWD40×/LWD20×PH	30 W Halogen + 100 W Epi Fluorescence (UV/V/B/G)
OCM 167	Trinocular	HWF 10×/∅ 22 mm	Infinity Plan		5W-LED + 5W Epi Fluorescence (B/G)
OCM 168	Trinocular	HWF 10×/∅ 22 mm	Infinity Plan		5W-LED + 5W Epi Fluorescence (UV/V/B/G)



KERN ORF

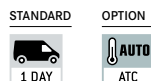
Refractive index measurement for hospitals, medical training institutions or in sports medicine

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

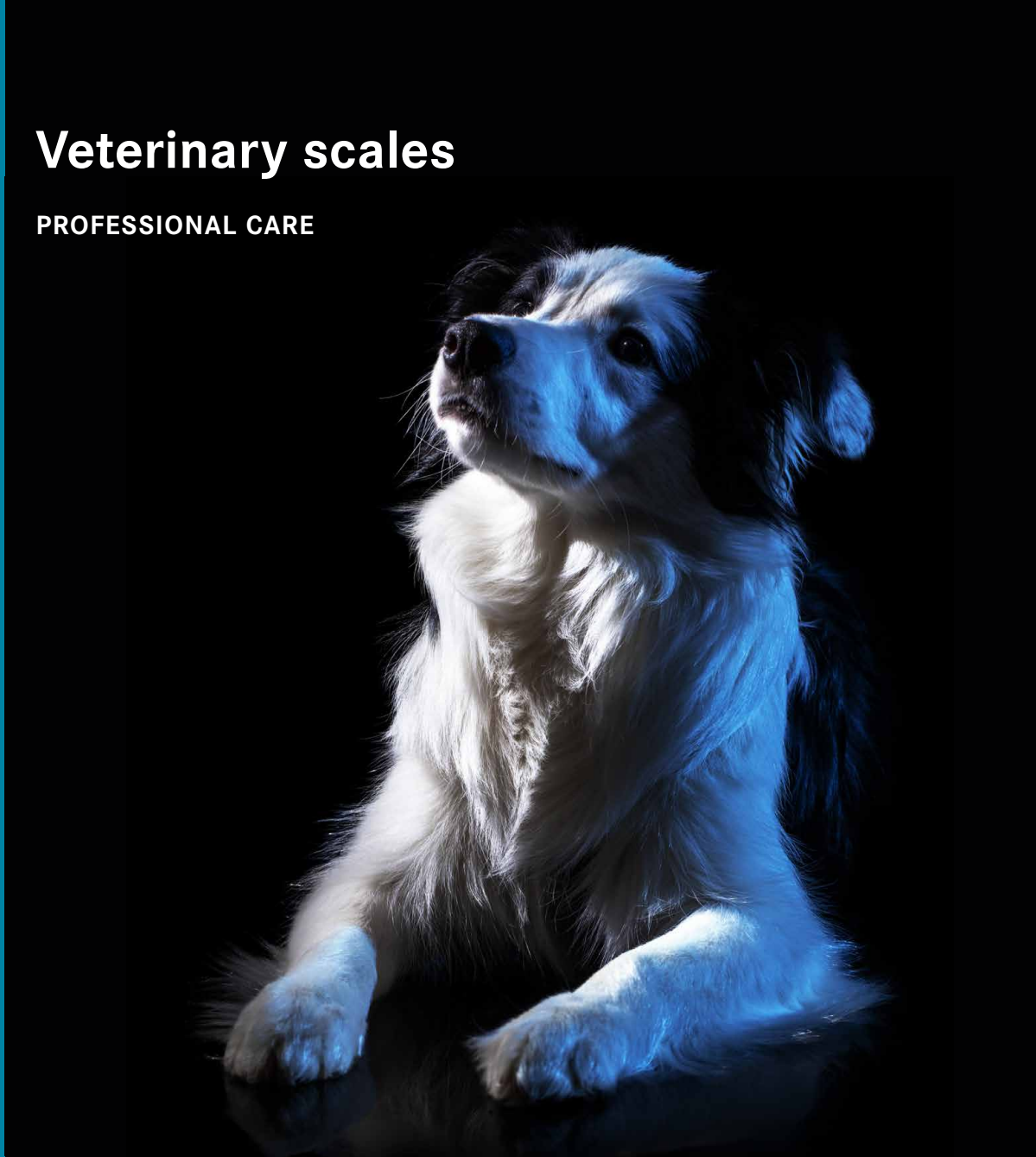
- Die-cast housing of copper-aluminium alloy, chrome coated
- Measurement temperature without ATC: 20 °C
- Measurement temperature range with ATC: 10 °C/30 °C
- Dimensions of the box W×D×H 205×75×55 mm
- Packing dimensions W×D×H 215×94×65 mm
- Product length: approx. 130 - 200 mm (depending on the model)
- 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
KERN				
ORA 32BA	Brix	0 - 32 %	0,2 %	✓
ORA 4RR	Refractive index	1,440 - 1,520 nD	0,001 nD	
ORA 2PA	Serum protein	0 - 12 g/dl	0,2 g/dl	
	Urine (spec. gravity)	1,000 - 1,050 sgU	0,002 sgU	✓
	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	
	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
- Hook (stainless steel), opening approx. 29 mm, KERN HCB-A02

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
- High-strength shackle, hot-dipped galvanised cast steel bracket, curved edge. Scope of delivery: 2 shackles, KERN YSC-04

STANDARD



2

Model	Weighing capacity	Readability	Dimensions housing W×D×H mm	Net weight approx. kg
	[Max] kg	[d] kg		
KERN				
HCB 20K10	20	0,01	82×43×153	0,30
HCB 50K20	50	0,02	82×43×153	0,30
HCB 50K100	50	0,1	82×43×153	0,30
HCB 99K50	99	0,05	82×43×153	0,30
HCB 100K200	100	0,2	82×43×153	0,30
HCB 200K100	200	0,1	82×43×153	0,30
HCB 200K500	200	0,5	82×43×153	0,30
HCB 0.5T-3	500	1	82×43×153	0,40
HCB 1T-3	1000	2	82×48×153	0,60
			Stainless steel	
HCB 50K100IP	50	0,1	96×48×179	0,50
HCB 100K200IP	100	0,2	96×48×179	0,50
HCB 200K500IP	200	0,5	96×48×179	0,50



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
- External universal mains adapter, with universal input and optional input socket adapters for EU, CH, GB, US, KERN YKA-03N

STANDARD

CAL EXT UNIT UNDER BATT DMS 1 DAY

OPTION

B MULTI

Model	Weighing capacity	Readability	Weighing plate	Dimensions housing W×D×H	Net weight approx.
	[Max] g	[d] g			
KERN					
EMB 200-3	200	0,001	A	170×244×54	0,85
EMB 200-2	200	0,01	B	170×244×39	0,50
EMB 600-2	600	0,01	B	170×244×39	0,50
EMB 2000-2	2000	0,01	C	170×244×39	0,90
EMB 500-1	500	0,1	C	170×244×39	0,55
EMB 1200-1	1200	0,1	C	170×245×39	0,55
EMB 6000-1	6000	0,1	C	170×244×39	0,55
EMB 2200-0	2200	1	C	170×244×39	0,55
EMB 5.2K1	5200	1	C	170×244×39	0,55
EMB 5.2K5	5200	5	C	170×244×39	0,55



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

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)

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
- External mains adapter, KERN YKA-46

KERN FOB-NL

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

STANDARD



OPTION



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	



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
- **1** Stand to elevate display device, for models with weighing plate size **A**, Height of stand approx. 480 mm KERN EOB-A01N
- **2** Stand to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B
- Non-slip rubber mat, W×D×H 945×505×5 mm, KERN EOE-A01

STANDARD							OPTION

Model	Weighing capacity [Max] kg	Readability [d] g	Weighing plate	Cable length (spiral cable) approx. m	Net weight approx. kg	Options
						DAkkS Calibr. Certificate
KERN						DAkkS KERN
EOB 15K5	15	5	A	1,8	3,8	963-128
EOB 35K10	35	10	A	1,8	3,8	963-128
EOB 60K20	60	20	A	1,8	3,8	963-129
EOB 60K20L	60	20	B	2,7	13	963-129
EOE 150K50XL	150	50	C	2	18	963-129
EOE 300K100XL	300	100	C	2	18	963-129



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
- Stand to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B
- **1** Non-slip rubber mat, W×D×H 945×505×5 mm, KERN EOE-A01

STANDARD							OPTION

Model	Weighing capacity [Max] kg	Readability [d] g	Options
			DAKkS Calibr. Certificate DAKkS KERN
KERN			
EOS 150K50XL	150	50	963-129
EOS 300K100XL	300	100	963-129

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 WxD 560x225 mm
- Overall dimensions WxDxH 597x350x74 mm
- Batteries included, 2x1.5 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 20x22 cm per cloth, KERN MYC-01
- **1** 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
- **2** 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

STANDARD



Model	Weighing capacity	Readability
	[Max] kg	[d] kg
KERN		
MBD 20K-2S05	15	0,01



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

STANDARD



Model

Weighing capacity

Readability

KERN

[Max]
kg

[d]
kg

MGC 100K-1S05

150

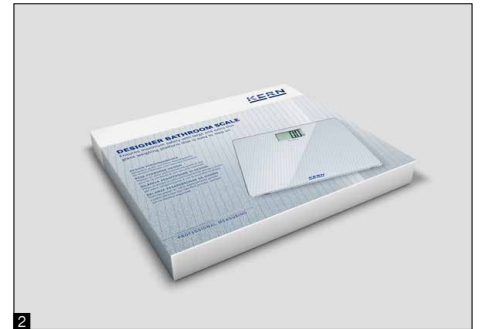
1



KERN MGD 200K-1LS05



KERN MGD 100K-1S05



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, WxD 300x300 mm
- Batteries included, 2xCR2032, 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, WxD 380x330 mm
- Batteries included, 3x1,5V 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 20x22 cm per cloth, KERN MYC-01

STANDARD



Model	Weighing capacity	Readability
	[Max] kg	[d] kg
KERN		
MGD 100K-1S05	180	0,1
MGD 200K-1LS05	250	0,1



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

- 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

Technical data

- 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)

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

STANDARD



Model	Weighing capacity	Readability
	[Max] kg	[d] kg
KERN		
MFB 150K100S05	182	0,1

KERN – COMMITMENT TO QUALITY AT AN INTERNATIONAL LEVEL



180 YEARS
since 1844
KERN & SOHN
KERN & SOHN

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



Deutsche
Akkreditierungsstelle
D-K-19408-01-00

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

