

SCALES FOR THE FOOD INDUSTRY

Scales and measuring instruments for industrial kitchens, cafeterias and catering trade

PROFESSIONAL
MEASURING



2020

KERN Pictograms



Adjusting program CAL:

For quick setting up of the balance's accuracy. External adjusting weight required



Recipe level A:

The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out



360° rotatable microscope head



Memory:

Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.



Totalising level A:

The weights of similar items can be added together and the total can be printed out



Binocular Microscope:

For the inspection with both eyes



Data interface RS-232:

To connect the balance to a printer, PC or network



Percentage determination:

Determining the deviation in % from the target value (100 %)



Trinocular Microscope:

For the inspection with both eyes and the additional option for the connection of a camera



RS-485 data interface:

To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible



Weighing units:

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



LED illumination:

Cold, energy saving and especially long-life illumination



USB data interface:

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



Weighing with tolerance range:

(Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model



Incident illumination:

For non-transparent objects



Bluetooth* data interface:

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



Hold function:

(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value



Transmitting illumination:

For transparent objects



WLAN data interface:

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



Protection against dust and water splashes IPxx:

The type of protection is shown in the pictogram.



Zoom magnification:

For stereomicroscopes



Analog output:

for output of an electrical signal depending on the load (e.g. voltage 0 V – 10 V or current 4 mA – 20 mA)



Battery operation:

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



Automatic temperature compensation:

For measurements between 10 °C and 30 °C



KERN Communication Protocol (KCP):

It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems



Rechargeable battery pack:

Rechargeable set



Verification possible:

The time required for verification is specified in the pictogram



Universal mains adapter:

with universal input and optional input socket adapters for

- A) EU, CH
- B) EU, CH, GB, USA
- C) EU, CH, GB, USA, AUS



DAkKS calibration possible:

The time required for DAKKS calibration is shown in days in the pictogram



GLP/ISO log:

With weight, date and time. Only with KERN printers.



Mains adapter:

230V/50Hz in standard version for EU. On request GB, USA or AUS version available



Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram



Piece counting:

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



Power supply:

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



Pallet shipment:

The time required for internal shipping preparations is shown in days in the pictogram



Weighing principle: Strain gauges:

Electrical resistor on an elastic deforming body

Your advantages

fast

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

reliable

- Up to 3 years warranty
- Precision in weighing technology for more than 175 years

competent

- DAkkS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications DIN EN ISO 13485 and 93/42/EEC

versatile

- One-stop shopping: from bench scales through to floor scales – everything from one supplier
- Find the product you want at www.kern-sohn.com



Order hotline

+49 7433 9933-0



Service hotline

+49 7433 9933-199



Calibration hotline

+49 7433 9933-196



Online Shop

www.kern-sohn.com



E-mail order

info@kern-sohn.com



www.kern-sohn.com

Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a clever test weight and balance search engine.

Sales conditions

- The prices are valid from 01.01.2020 – 31.12.2020. In Europe, all prices do not include the applicable V.A.T.
- Delivery conditions: We supply ex works from Balingen, i. e. the transport costs are invoiced separately. Delivery is usually via parcel service
- Sale or return: within 14 days of purchase
- You can find our full terms and conditions on the internet at www.kern-sohn.com/en/kern/general_terms.html

We weigh almost everything ... and that's not all!



Balances & Test service catalogue



Medical scales catalogue



Microscopes & refractometers catalogue



SAUTER measuring equipment catalogue



DAkkS calibration service brochure

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KERN scales – not scared of water at all!

Scales used in industrial situations or the food industry are often exposed to extreme stresses and strains. Water, oils, fats, varnish, dust, dirt, flour, small parts, etc. are all natural enemies of a scale. In industries such as the chemical, pharmaceutical, food, manufacturing industries, etc. scales must be able to cope with these stresses without this affecting their performance.

For use in such harsh environmental conditions, levels of protection are defined, which specify which environmental stresses a system can be exposed to with respect to the level of contact, foreign object and moisture protection, without damage being caused to the unit. These levels of protection are described in the following standard: "DIN EN 60529: protection types through housing". The IP code usually consists of a two-digit combination, which gives the relevant level of protection, e.g. IP68. The first digit specifies the protection level for contact protection and protection against foreign bodies (dust protection), the second digit is for the water and moisture protection (protection against splashes of water).

The material properties of the stainless steel components of the IP65...68 protected KERN stainless steel scales support you in your HACCP compliant quality system.

Sebastian Hipp

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Scales for the food industry



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Extract from the standard: "DIN EN 60529: protection types through housing":

KERN-Pictogram	1. digit	Specification	2. digit	Specification
	6	Dustproof	5	Protection against jets of water (nozzle) from any angle (cleaning with a damp cloth)
	6	Dustproof	6	Protection against powerful jets of water
	6	Dustproof	7	Protection against temporary immersion
	6	Dustproof	8	Protection against continuous immersion (designed for continuous use in wet areas, submersion is possible depending on the pressure (water depth))

01 Stainless steel/Protection against dust and water splashes IP65...68



KERN FOB-LM

page 7

only €

265,-





Super compact stainless steel balance with protection type IP65 against dust and water splashes

Features

- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- **Secure and non-slip positioning** with rubber feet
- **Particularly flat design**
- Your support in a **HACCP**-compliant quality system
- **Protection against dust and water splashes IP65** (only when using battery)
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 150×120 mm
- Overall dimensions W×D×H 170×150×40 mm
- Ready for use: Batteries included, 9 V-Block, operating time up to 24 hours
- Net weight approx. 0,8 kg
- Permissible ambient temperature 10 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FOB-A12S05, **€ 40,-**
- **Mains adapter external**, KERN FOB-A09, **€ 35,-**

STANDARD

CAL EXT

UNIT

IP 65

BATT

DMS

1 DAY

OPTION

230 V

DAkKS

+3 DAYS

Model	Weighing capacity	Readability	Weighing plate W×D mm	Price excl. of VAT ex works €	Options	
					DAkKS Calibr. Certificate	
					DAkKS KERN	€
KERN	[Max] kg	[d] g				
FOB 0.5K-4NS	0,5	0,1	150×120	105,-	963-127	72,-
FOB 5K-3NS	5	1	150×120	105,-	963-127	72,-



Compact stainless steel bench scale with EC type approval [M] and special checkweighing display for even more efficient working

Features

- 1 Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- 2 Suitable for the ever-increasing hygienic requirements** in the food industry
- High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- Your support in a **HACCP**-compliant quality system
- Protection against dust and water splashes IP67** (only when using battery)
- Secure and non-slip positioning** with rubber feet

- Increased protection against humidity** through waterproof silicone sealing of the load cell, electronics and soldering joints
- Check the weighing capacity which is in use** at the press of a button (net/gross weight)
- Mains adapter** included with delivery
- Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Overall dimensions W×D×H 256×285×100 mm
- KERN FOB-LM: Optional battery operation, 4×1.5 V AA, standard, operating time up to 48 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- 3 Protective working cover**, scope of delivery: 5 items, KERN FOB-A13S05, **€ 40,-**
- Mains adapter external**, KERN FOB-A01, **€ 35,-**
- 4 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

STANDARD

CAL EXT

TOL

IP 67

BATT

230 V

DMS

1 DAY

OPTION

DAkKS

+3 DAYS

FACTORY

M

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate mm	Price excl. of VAT ex works €	Option			
							Verification		DAkKS Calibr. Certificate	
							KERN	€	DAkKS KERN	€
FOB 1K-4LM	1,5	0,5	0,5	10	248×198	265,-	965-227	55,-	963-127	72,-
FOB 3K-3LM	3	1	1	20	248×198	265,-	965-227	55,-	963-127	72,-
FOB 6K-3LM	6	2	2	40	248×198	265,-	965-228	70,-	963-128	88,-
FOB 10K-3LM	15	5	5	100	248×198	265,-	965-228	70,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Ideal for food industry, thanks to its IP65 protection and special checkweighing display, also with EC type approval [M]

Features

- **Suitable for the ever-increasing hygienic requirements** in the food industry
- Your support in a **HACCP**-compliant quality system
- **Protection against dust and water splashes IP65** (only when using rechargeable battery pack)
- **Very fast display:** steady weight values within 2 s
- **Second display** on the rear of the balance
- **Compact size**, practical for small spaces
- **Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading

- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- **Recessed grips on the underside** of the scale for easy transportation
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel, W×D 260×200 mm
- Overall dimensions W×D×H 285×315×128 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN RFB-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 50 h without backlight, charging time approx. 12 h, KERN WTB-A01N, **€ 35,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

STANDARD

CAL EXT

TOL

IP 65

MULTI

DMS

1 DAY

OPTION

ACCU

DAKkS +3 DAYS

FACTORY

M +3 DAYS

WTB-NM

Model	Weighing capacity	Readability	Verification value	Minimal load	Price excl. of VAT ex works €	Option			
						Verification		DAKkS Calibr. Certificate	
						KERN	€	DAKkS KERN	€
KERN	[Max] kg	[d] g	[e] g	[Min] g					
WTB 1K-4N	1,5	0,2	-	-	215,-	-	-	963-127	72,-
WTB 3K-4N	3	0,5	-	-	215,-	-	-	963-127	72,-
WTB 6K-3N	6	1	-	-	215,-	-	-	963-128	88,-
WTB 10K-3N	15	2	-	-	215,-	-	-	963-128	88,-
WTB 30K-3N	30	5	-	-	215,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
WTB 1K-4NM	1,5	0,5	0,5	10	240,-	965-227	55,-	963-127	72,-
WTB 3K-3NM	3	1	1	20	240,-	965-227	55,-	963-127	72,-
WTB 6K-3NM	6	2	2	40	240,-	965-228	70,-	963-128	88,-
WTB 10K-3NM	15	5	5	100	240,-	965-228	70,-	963-128	88,-
WTB 30K-2NM	30	10	10	200	240,-	965-228	70,-	963-128	88,-

Price reduction



All-round bench scale, protected by stainless steel and protection type IP65 also with EC type approval [M]

Features

- 1 **Ideal for the increased hygienic requirements** in the food, pharmaceutical and chemical industries
- Your support in a **HACCP**-compliant quality system
- 2 **Ideal for the robust industrial applications**
- 3 **Protection against dust and water splashes IP65** (only when using rechargeable battery pack)
- High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean

- Recessed grips on the underside** of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 230×190 mm
- Overall dimensions W×D×H 230×300×130 mm
- Rechargeable battery pack internal, operating time up to 50 h without backlight, charging time approx. 12 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature
KERN FFN-N: 0 °C/40 °C
KERN FFN-NM: -10 °C/40 °C

Accessories

- Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-

STANDARD

CAL EXT

UNIT

IP 65

ACCU

MULTI

DMS

1 DAY

OPTION

DAkKS

+3 DAYS

FACTORY

M

+3 DAYS

Model	Weighing capacity	Readability	Verification value	Minimal load	Price excl. of VAT ex works €	Option			
						Verification		DAkKS Calibr. Certificate	
						KERN	€	DAkKS KERN	€
KERN	[Max] kg	[d] g	[e] g	[Min] g					
FFN 1K-4N	1,5	0,2	-	-	260,-	-	-	963-127	72,-
FFN 3K0.5IPN	3	0,5	-	-	255,-	-	-	963-127	72,-
FFN 6K1IPN	6	1	-	-	255,-	-	-	963-128	88,-
FFN 15K2IPN	15	2	-	-	255,-	-	-	963-128	88,-
FFN 25K5IPN	25	5	-	-	255,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
FFN 1K-4NM	1,5	0,5	0,5	10	285,-	965-227	55,-	963-127	72,-
FFN 3K1IPM	3	1	1	20	285,-	965-227	55,-	963-127	72,-
FFN 6K2IPM	6	2	2	40	285,-	965-228	70,-	963-128	88,-
FFN 15K5IPM	15	5	5	100	285,-	965-228	70,-	963-128	88,-
FFN 25K10IPM	25	10	10	200	285,-	965-228	70,-	963-128	88,-



Robust, space-saving bench scale, protected by stainless steel and IP68 rating – with EC type approval [M]

Features

- **Suitable for the ever-increasing hygienic requirements** in the food industry
- Your support in a **HACCP**-compliant quality system
- **Ideal for the robust industrial applications** protection against dust and water splashes **IP68**, ideal for harsh ambient conditions. Submersion in water actually possible
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **Very fast display:** steady weight values within 2 s
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)

- **■ Recessed grips on the underside** of the scale for easy transportation
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading

Technical data

- Large backlit LCD display (FXN-M: green), digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 236x195 mm
- Overall dimensions WxDxH 240x280x120 mm
- Ready for use: Batteries included, 4x1.5 V Size D, operating time without backlight FXN-N up to 250 h, FXN-M up to 625 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **■ Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, **€ 55,-**

Note: Official verification duty for commercial trade

STANDARD

OPTION

FACTORY

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option			
							Verification		DAkKS Calibr. Certificate	
							KERN	€	DAkKS	€
KERN										
FXN 3K-4N	3	0,5	-	-	5	305,-	-	-	963-127	72,-
FXN 6K-3N	6	1	-	-	10	305,-	-	-	963-128	88,-
FXN 10K-3N	15	2	-	-	20	305,-	-	-	963-128	88,-
FXN 30K-3N	30	5	-	-	50	305,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.										
Verification at the factory, we need to know the full address of the location of use.										
FXN 3K-3M	3	1	1	20	5	370,-	965-227	55,-	963-127	72,-
FXN 6K-3M	6	2	2	40	10	370,-	965-228	70,-	963-128	88,-
FXN 10K-3M	15	5	5	100	20	370,-	965-228	70,-	963-128	88,-
FXN 30K-2M	30	10	10	200	50	370,-	965-228	70,-	963-128	88,-



Platform scale with dust and spray protection IP65 and EC type approval [M]

Features

- Platform scale protected to IP65 with stainless steel display device, for industrial applications, hygienic and easy to clean
- 1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- Display device:** stainless steel, protection against dust and water splashes IP65, flexible positioning, e.g. free-standing or mounted to the wall, for details see KERN KFE-TNM
- Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

Technical data

- Large backlit LCD display, digit height 22 mm
- Weighing plate dimensions, stainless steel
 - A 300×240×110 mm, see larger picture
 - B 400×300×130 mm
 - C 500×400×140 mm
 - D 650×500×140 mm
- Dimensions of display device W×D×H 195×118×83 mm
- Cable length of display device approx. 3 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Stand** to elevate display device, for models with weighing plate size
 - A – D: Height of stand approx. 200 mm, Type 2 KERN SFE-A01, € 55,-
 - B – D: Height of stand approx. 400 mm, Type 2 KERN SFE-A02, € 55,-
 - C – D: Height of stand approx. 600 mm, Type 3 KERN SFE-A03, € 65,-
- Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-

STANDARD

CAL EXT

SUM

TOL

MOVE

IP 65

ACCU

MULTI

DMS

1 DAY

OPTION

DAkkS

+3 DAYS

FACTORY

M

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
								M M KERN	€	DAkkS KERN	€
KERN											
SFE 6K-3NM	6	2	2	40	6	A	370,-	965-228	70,-	963-128	88,-
SFE 10K-3NM	15	5	5	100	6	A	360,-	965-228	70,-	963-128	88,-
SFE 10K-3LNM	15	5	5	100	10	B	420,-	965-228	70,-	963-128	88,-
SFE 30K-2NM	30	10	10	200	6	A	360,-	965-228	70,-	963-128	88,-
SFE 60K-2NM	60	20	20	400	10	B	410,-	965-229	93,-	963-129	105,-
SFE 60K-2LNM	60	20	20	400	14	C	520,-	965-229	93,-	963-129	105,-
SFE 100K-2NM	150	50	50	1000	10	B	430,-	965-229	93,-	963-129	105,-
SFE 100K-2LNM	150	50	50	1000	14	C	520,-	965-229	93,-	963-129	105,-
SFE 100K-2XLNM	150	50	50	1000	22	D	660,-	965-229	93,-	963-129	105,-
SFE 300K-1LNM	300	100	100	2000	20	D	660,-	965-229	93,-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.



Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Features

- **Ideal for the robust industrial applications**
- **1 Platform:** made entirely of stainless steel, silicone-coated stainless steel load cell, protection against dust and water splashes IP67
- **2 Display device:** stainless steel, protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- **3 SFB-H: Column,** standard, for models with weighing plate size 300×240 mm: Column height approx. 200 mm
400×300 mm: Column height approx. 400 mm

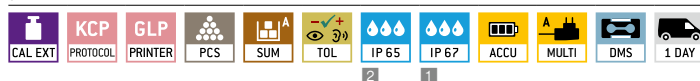
Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 3 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Data interface RS-232,** interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- **Stand** to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01, **€ 80,-**
- **4 Stand** to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, **€ 120,-**

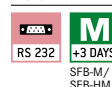
STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate W×D	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
KERN								M KERN	€	DAkkS KERN	€
SFB 50K-3XL	50	5	-	-	14	500×400	870,-	-	-	963-128	88,-
SFB 100K-2L	100	10	-	-	14	500×400	910,-	-	-	963-129	105,-
SFB 100K-2XL	100	10	-	-	26	650×500	1130,-	-	-	963-129	105,-
SFB 200K-2XL	200	20	-	-	26	650×500	850,-	-	-	963-129	105,-
with elevated display											
SFB 10K1HIP	10	1	-	-	8	300×240	670,-	-	-	963-128	88,-
SFB 20K2HIP	20	2	2	-	8	300×240	670,-	-	-	963-128	88,-
SFB 50K5HIP	50	5	5	-	8	300×240	670,-	-	-	963-128	88,-
SFB 50K5LHIP	50	5	5	-	8	400×300	740,-	-	-	963-128	88,-
SFB 100K10HIP	100	10	-	-	14	400×300	730,-	-	-	963-129	105,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
SFB 60K-2XLM	60	20	20	400	16	500×400	930,-	965-229	93,-	963-129	105,-
SFB 100K-2XLM	150	50	50	1000	24	650×500	1150,-	965-229	93,-	963-129	105,-
SFB 300K-1LM *	300	100	100	2000	26	650×500	860,-	965-229	93,-	963-129	105,-
with elevated display											
SFB 15K5HIPM	15	5	5	100	8	300×240	680,-	965-228	70,-	963-128	88,-
SFB 30K10HIPM	30	10	10	200	8	300×240	690,-	965-228	70,-	963-128	88,-
SFB 60K20LHIPM	60	20	20	400	14	400×300	740,-	965-229	93,-	963-129	105,-
SFB 100K-2HLM	150	50	50	1000	13	400×300	760,-	965-229	93,-	963-129	105,-

* ONLY WHILE STOCKS LAST

Price reduction

PREMIUM



Stainless steel platform scale with high type of protection IP68 and EC type approval [M]

Features

- **Ideal for the robust industrial applications**
- **Platform:** made entirely of stainless steel, silicone-coated stainless steel load cell, protection against dust and water splashes IP68. Substruction in wing design, extremely resistant to bending. Earthed weighing plate, to reduce static charge
- **Display device:** stainless steel, protection against dust and water splashes IP68, integrated power supply
- **Suitable for the ever-increasing hygienic requirements** in the food industry
- **Wall mount** for display device, standard
- **Superior display size:** digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Easy-to use KERN menu structure with printout of weighing results which can be intuitively adapted

- Thanks to **interfaces** such as RS-232, RS-485 and Bluetooth (optional) the scale can easily be connected to existing networks and facilitates the data exchange between the scale and printer

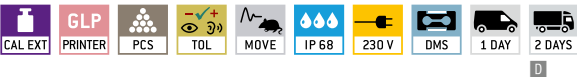
Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A 300×240×86 mm
 - B 400×300×89 mm
 - C 500×400×123 mm
 - D 650×500×133,5 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Stand** to elevate display device, for models with weighing plate size
 - A–D Height of stand approx. 200 mm, KERN IXS-A02, **€ 70,-**
 - B–D Height of stand approx. 400 mm, KERN IXS-A03, **€ 75,-**
 - C–D Height of stand approx. 600 mm, KERN IXS-A04, **€ 85,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, Factory Option, KERN GAB-A04, **€ 40,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, **€ 100,-**
- **Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, **€ 145,-**
- **Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 130,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KXS-A02, **€ 170,-**

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification		DAKkS Calibr. Certificate	
KERN								M KERN	€	DAKkS KERN	€
SXS 6K-3M	3 6	1 2	1 2	20 40	± 1 2	A	670,-	965-228	70,-	963-128	88,-
SXS 10K-3M	6 15	2 5	2 5	40 100	± 2 5	A	670,-	965-228	70,-	963-128	88,-
SXS 10K-3LM	6 15	2 5	2 5	40 100	± 2 5	B	830,-	965-228	70,-	963-128	88,-
SXS 30K-2M	15 30	5 10	5 10	100 200	± 5 10	B	820,-	965-228	70,-	963-128	88,-
SXS 30K-2LM	15 30	5 10	5 10	100 200	± 5 10	C	1110,-	965-228	70,-	963-128	88,-
SXS 60K-2M	30 60	10 20	10 20	200 400	± 10 20	B	820,-	965-229	93,-	963-129	105,-
SXS 60K-2LM	30 60	10 20	10 20	200 400	± 10 20	C	1110,-	965-229	93,-	963-129	105,-
SXS 100K-2M	60 150	20 50	20 50	400 1000	± 20 50	C	1110,-	965-229	93,-	963-129	105,-
SXS 100K-2LM	60 150	20 50	20 50	400 1000	± 20 50	D	1370,-	965-229	93,-	963-129	105,-
SXS 300K-2M	150 300	50 100	50 100	1000 2000	± 50 100	D	1370,-	965-229	93,-	963-129	105,-

Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

* Either RS-232 or RS-485 can be installed and used

02 Price computing scales

KERN RIB

page 15

from €

205,-





Robust retail scale with large item memory, user-friendly handling and EC type approval [M]

Features

- 1 KERN RIB-HM: **Elevated display backlight**, height of stand approx. 530 mm, must be ordered at purchase
- 2 KERN RIB-M: **Second display** on the rear of the balance
- Three displays** for weight display (verifiable), unit price, total price
- Calculation of change**
- Soil-resistant construction** through water channels at the frame of the housing and sealing rings over the upper housing inlets
- 10 Direct price keys** for frequently recurring article prices
- Memory (PLU) for 20 article prices**
- Energy management:** Backlight turns off after 5 s, can be switched off
- Soil-resistant construction** through water channels at the frame of the housing and sealing rings over the upper housing inlets

- **Protective working cover** included with delivery

Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 294×225 mm
- Overall dimensions W×D×H
KERN RIB-M: 325×400×115 mm
KERN RIB-HM: 325×340×405 mm
- Net weight
KERN RIB-M: approx. 3,2 kg
KERN RIB-HM: approx. 3,8 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN RIB-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 40,-**
- 3 **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

Application examples

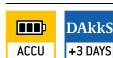
- retail shops
- weekly markets
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

STANDARD




OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Option			
						Verification		DAkkS Calibr. Certificate	
						 KERN	€	DAkkS KERN	€
KERN									
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]									
RIB 6K-3M	3 6	1 2	1 2	20 40	205,-	965-228	70,-	963-128	88,-
RIB 10K-3M	6 15	2 5	2 5	40 100	205,-	965-228	70,-	963-128	88,-
RIB 30K-2M	15 30	5 10	5 10	100 200	205,-	965-228	70,-	963-128	88,-
with elevated display									
RIB 6K-3HM	3 6	1 2	1 2	20 40	235,-	965-228	70,-	963-128	88,-
RIB 10K-3HM	6 15	2 5	2 5	40 100	235,-	965-228	70,-	963-128	88,-
RIB 30K-2HM	15 30	5 10	5 10	100 200	235,-	965-228	70,-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory. we need to know the full address of the location of use.									

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

PREMIUM



Compact portion scale with 2 XXL displays – weight, unit price, total price and TARE value at a glance

Features

- Ideal as a salad scale, sweet scale, check-weigher, portion scale or zero-waste scale: Shopping without plastic or packaging waste in packaging-free supermarkets
- **Large LCD display with four displays** for weight display (verifiable), unit price, total price and stored TARE or PRE-TARE value
- TARE value display: this shows a TARE or PRE-TARE value stored in a PLU, which enables this value to be stored in a legally binding way in accordance with the Weights and Measures Act
- **1 Second display** on the rear of the balance
- **2 Column** to elevate the display as standard, can be easily fitted or removed by the user. The power cable for the second display can be stored in the folding column which is hygienic and gives a tidy appearance. Column height approx. 395 mm

- **3** Thanks to easily-understandable, universal symbols e.g. for weight, piece weight, total price this balance can also be understood and operated easily all over the world
- **Calculation of change**
- **4 Direct price keys** for frequently recurring article prices
- **Memory (PLU) for 100 article prices**
- Item description can be entered, stored and shown on the display in clear text
- **Unit price can be switched** from €/kg to €/100 g
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded
- **Headers and footers of the printout** can be programmed directly on the balance
- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- **Recessed grips on the underside** of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 230×300 mm
- Overall dimensions W×D×H 320×450×130 mm
- Net weight approx. 4,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Label printer** for printing weights on thermal labels, ASCII-capable, KERN YKE-01, **€ 590,-**
- **Rechargeable battery pack internal**, operating time up to 60 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**

Application examples

- cafeterias, restaurants, Motorway service stations
- retail shops
- weekly markets
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

STANDARD

OPTION

FACTORY

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Option			
						Verification		DAkKS Calibr. Certificate	
						KERN	€	DAkKS KERN	€
KERN									
RFE 6K3M	3 6	1 2	1 2	20	280,-	965-228	70,-	963-128	88,-
RFE 15K3M	6 15	2 5	2 5	40	280,-	965-228	70,-	963-128	88,-
RFE 30K3M	15 30	5 10	5 10	100	280,-	965-228	70,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

03 Bench scales

KERN EHA

page 18

from €

65,-





The compact all-round model with robust stainless steel weighing plate for use in laboratories, industries and for teaching

Features

- Thanks to its compact, robust design, its bright display and high precision, this range is ideal for use in laboratories, quality control, production as well in schools and universities for teaching biology, chemistry and physics, for example
- **Large, shock proof weighing plate made of stainless steel**, can be removed and therefore is hygienic and easy to clean
- **1 Particularly flat design**
- **Ergonomically optimised key pad**
- **Simple and convenient 5-key operation**
- Large high-contrast display that is easy to read
- **2 Secure and non-slip positioning** with rubber feet
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price

Technical data

- Backlit LCD display, digit height 22 mm
- Dimensions weighing surface, stainless steel
 - A** Ø 105 mm
 - B** B×H 120×120 mm, see larger picture
- Overall dimensions W×D×H 160×225×50 mm (without draught shield)
- Optional battery operation, 2×1.5 V AA, not included in scope of delivery, operating time up to 400 h
- External mains adapter standard
- Net weight approx. 0,5 kg
- Permissible ambient temperature 5 °C/40 °C

STANDARD

CAL EXT

PCS

UNIT

BATT

MULTI

DMS

1 DAY

OPTION

DAkKS

+3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	
KERN							DAkKS KERN	€
EHA 500-2	500	0,01	0,03	± 0,02	A	90,-	963-127	72,-
EHA 500-1	500	0,1	0,3	± 0,2	A	65,-	963-127	72,-
EHA 1000-1	1000	0,1	0,3	± 0,2	A	65,-	963-127	72,-
EHA 3000-1	3000	0,1	0,3	± 0,3	B	90,-	963-127	72,-
EHA 3000-0	3000	1	3	± 2	B	65,-	963-127	72,-



Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry, gastronomy and kitchen

Features

- **Simple and convenient 5-key operation**
- **Very fast display:** steady weight values within 3 s
- Ideal as a
 - compact letter and parcel scale, especially in constricted spaces
 - grading or commissioning balance or simple checkweigher in production or dispatch
 - Checkweigher in the catering trade, cafeterias, school kitchens
- **High mobility:** thanks to battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V-Block not included in scope of deliveryw, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCF-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04, **€ 40,-**

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
							DAKkS Calibr. Certificate	
							DAKkS KERN	€
KERN FCF 3K-4	3	0,1	0,1	± 0,3	2	185,-	963-127	72,-
KERN FCF 30K-3	30	1	1	± 3	20	185,-	963-128	88,-



Checkweighing and portioning scale, also with EC type approval [M]

Features

- **Compact size**, practical for small spaces
- **High mobility**: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Weighing with tolerance range (checkweighing)**: a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 24 mm
- Dimensions weighing surface WxD 295x225 mm
- Overall dimensions WxDxH 320x345x125 mm
- Net weight approx. 3,0 kg
- Permissible ambient temperature
GAB-N: 0 °C/40 °C
GAB-DNM: -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN CFS-A02S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-

- **WiFi interface** for wireless connection of the balance to networks and WiFi capable devices, such as tablets, laptops or smartphones, must be ordered at purchase, please ask for delivery time, KERN CFS-A05, € 120,-
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, € 35,-
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, € 55,-

Application examples

- Small industrial scale for pharmacies
 - Hand mixtures of tea, coffee, chocolates
 - Portioning of dough, meat, fish, poultry, mixed salads in cafeterias etc.
 - Mobile weighing of freshly picked fruit on site
 - Checkweigher in supermarkets
 - High-precision industrial applications, piece counting or stock-taking
- Note:** Official verification duty for commercial trade

STANDARD

OPTION

FACTORY

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option			
							Verification	€	DAkKS Calibr. Certificate	€
KERN									DAkKS KERN	
GAB 6K0.05N	6	0,05	-	-	0,5	295,-	-	-	963-128	88,-
GAB 12K0.1N	12	0,1	-	-	1	295,-	-	-	963-128	88,-
GAB 30K0.2N	30	0,2	-	-	2	295,-	-	-	963-128	88,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]										
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.										
Verification at the factory, we need to know the full address of the location of use.										
GAB 6K1DNM	3 6	1 2	1 2	20	2	225,-	965-228	70,-	963-128	88,-
GAB 15K2DNM	6 15	2 5	2 5	40	5	225,-	965-228	70,-	963-128	88,-
GAB 30K5DNM	15 30	5 10	5 10	100	10	225,-	965-228	70,-	963-128	88,-

* Verification not in combination with KERN CFS-A05

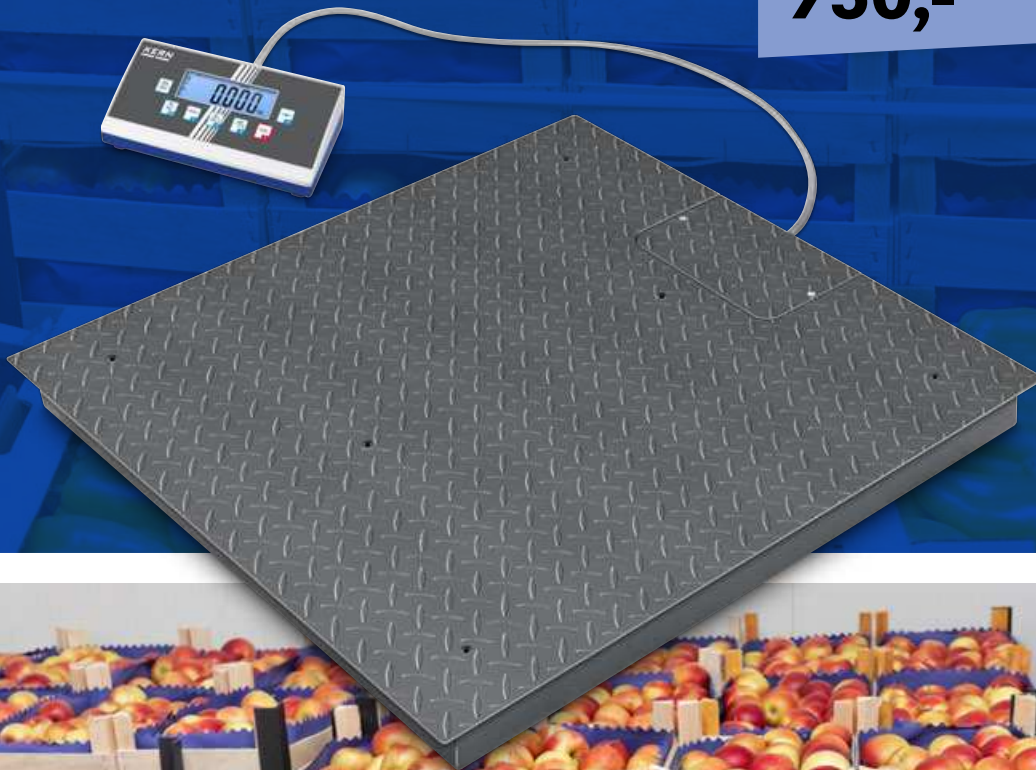
04 Floor scales/Pallet truck scales

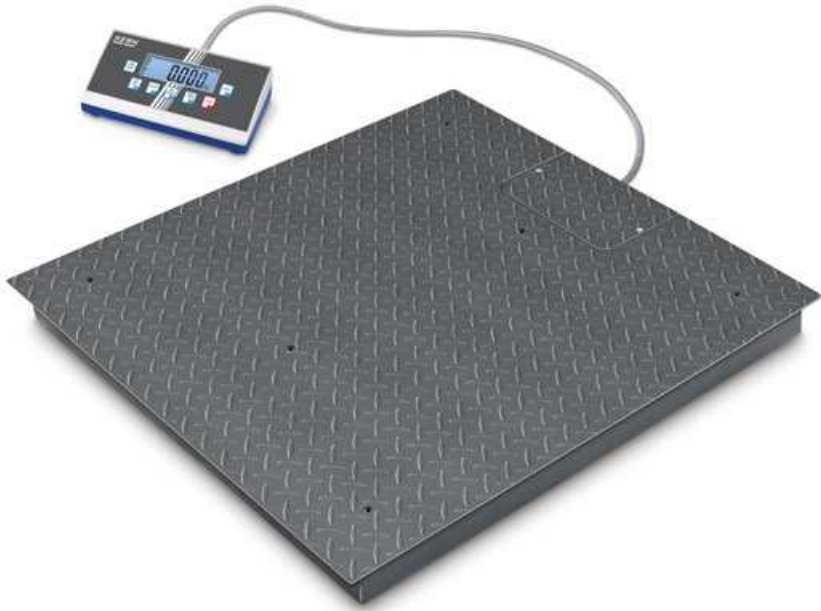
KERN BIC

page 22

from €

750,-





High resolution floor scale with 2×3000 [d] and the best price to performance ratio

Features

- **Weighing bridge:** out of anti-slip corrugated steel, 4 silicone-coated steel load cells, versatile supported, therefore especially shock absorbent, even against transverse forces, dust and spray protection IP67
- **Welded platform** with screw holes to lift the balance for easy cleaning
- **Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- **Simple and convenient 4-key operation**
- **Wall mount** for display device, standard
- A clever **plug-in connector** means that you can easily separate the display device and the platform, e.g. for installing the balance in a packing and dispatch bench, pit frame etc. at a later date
- **1** Did you know? Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation. KERN – always one step ahead

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
 - A** 1000×1000×108 mm
 - B** 1200×1500×108 mm
 - C** 1500×1500×108 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
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover** over display device, delivery quantity: 5 items, KERN EOB-A02S05, **€ 40,-**
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BIC-A07, **€ 40,-**
- **2 Ascending ramp**, steel, powder coated, not included, for models with weighing plate size
 - A** 1000×1000×108 mm, KERN BIC-A01, **€ 350,-**
 - B** 1200×1000×108 mm, KERN BIC-A02, **€ 380,-**
 - C** 1500×1000×108 mm, KERN BIC-A03, **€ 465,-**
- **3 Stable pit frame**, steel, powder coated, for models with weighing plate size
 - A** 1088×1088×110 mm, KERN BIC-A04, **€ 300,-**
 - B** 1288×1588×110 mm, KERN BIC-A05, **€ 335,-**
 - C** 1588×1588×110 mm, KERN BIC-A06, **€ 355,-**

STANDARD

CAL EXT

UNIT

IP 67

BATT

MULTI

DMS

2 DAYS

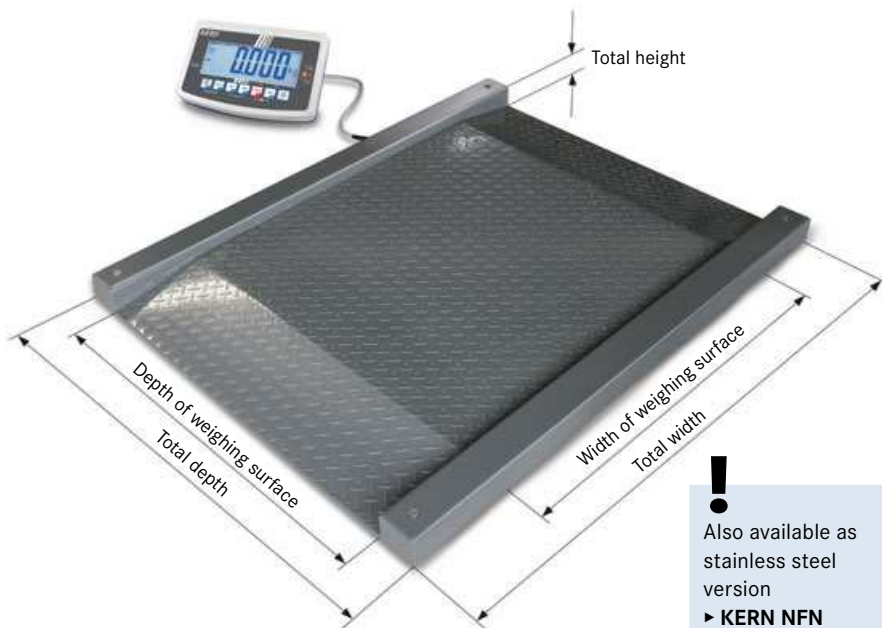
OPTION

DAKKS

+3 DAYS

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

Model	Weighing capacity	Readability	Net weight	Weighing plate	Price excl. of VAT ex works €	Option	
	[Max] kg	[d] kg	approx. kg			DAkKS Calibr. Certificate	
						DAkKS KERN	€
KERN							
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]							
BIC 600K-1S	300 600	0,1 0,2	70	A	750,-	963-130	165,-
BIC 600K-1	300 600	0,1 0,2	150	B	990,-	963-130	165,-
BIC 1T-4S	600 1500	0,2 0,5	150	A	750,-	963-130	165,-
BIC 1T-4	600 1500	0,2 0,5	70	B	990,-	963-130	165,-
BIC 3T-3	1500 3000	0,5 1	150	B	990,-	963-132	440,-
BIC 3T-3L	1500 3000	0,5 1	150	C	1200,-	963-132	440,-



! Also available as stainless steel version
► **KERN NFN**



Drive-through scale (IP67) with XXL display device and EC type approval [M]

Features

- Drive-through scale for rapid weighing of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers, containers refuse etc.
- **Low platform height** and integrated access ramps on both sides facilitate access. No need for pit frame installation – which saves money
- **1 Weighing bridge:** out of anti-slip corrugated steel, 4 silicone-coated steel load cells, dust and spray protection IP67
- **Display device:** for details see KERN KFB-TM
- **Protective working cover** included with delivery
- **2** Did you know? Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation. KERN – always one step ahead

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions W×D×H
A 1600×1200×80 mm
B 1800×1400×80 mm
- Platform height in the drive-through area: 80 mm
- Dimensions weighing surface
A W×D 1000×1000 mm
B W×D 1200×1200 mm
- Dimensions of display device W×D×H 250×160×65 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

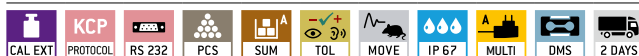
- Protective working cover, scope of delivery: 5 items, KERN KFB-A02S05, **€ 40,-**
- **3** Stand to elevate display device, height of stand approx. 800 mm, Stand to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, **€ 120,-**

- Pair of base plates to fix the weighing bridge to the floor, KERN BFS-A06, **€ 70,-**
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, KERN KFB-A01, **€ 35,-**
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KFB-A03, **€ 130,-**
- Analogue module, must be ordered at purchase, not possible in combination with signal lamp 0-10 V: KERN KFB-A04, **€ 95,-**
4-20 mA: KERN KFB-A05, **€ 95,-**
- **4 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **5 Large display with superior display size**, KERN YKD-A02, **€ 220,-**
- Y-cable for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, **€ 35,-**
- 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, **€ 160,-**

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

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

STANDARD



OPTION



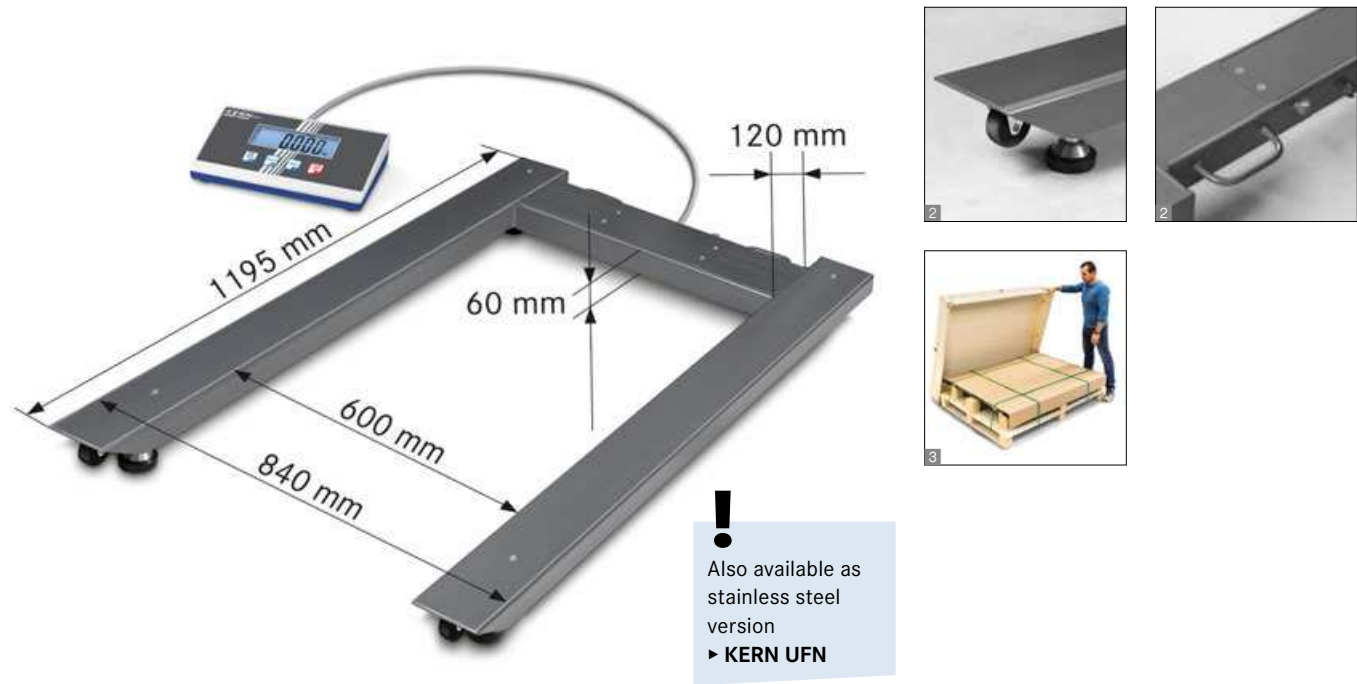
FACTORY



Model	Weighing capacity [Max] kg	Readability = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option			
							Verification		DAkKS Calibr. Certificate	
KERN							M KERN	€	DAkKS KERN	€
NFB 600K200M	600	0,2	4	130	A	1450,-	965-230	132,-	963-130	165,-
NFB 600K200LM	600	0,2	4	165	B	1650,-	965-230	132,-	963-130	165,-
NFB 1.5T0.5M	1500	0,5	10	130	A	1350,-	965-230	132,-	963-130	165,-
NFB 1.5T0.5LM	1500	0,5	10	155	B	1650,-	965-230	132,-	963-130	165,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.

↓ Price reduction



Pallet scale with steel load support (IP67) and the best price-to-performance ratio

Features

- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations
- **1 Load support:** steel, powder coated, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67
- **2** The scale can be easily transported using **rollers** and a **handle** and does not require much storage space
- **Totalising** of weights and piece counts
- **Protective working cover** included with delivery
- **3** Did you know? Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation. KERN – always one step ahead

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of display device W×D×H 235×115×52 mm
- Overall height including adjustable feet 110 mm
- Cable length of display device approx. 5 m
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 60 h
- Net weight approx. 55 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

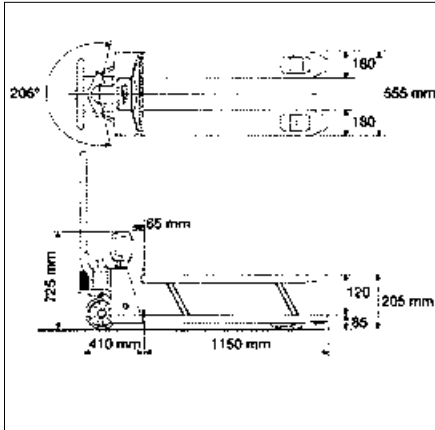
- **Protective working cover** over the display device, scope of delivery: 5 items, KERN EOB-A04BS05, **€ 40,-**
- **Stand** to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B, **€ 80,-**

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

STANDARD

OPTION

Model	Weighing capacity	Readability	Net weight	Price excl. of VAT ex works €	Option	
					DAKkS Calibr. Certificate	
					DAKkS KERN	€
KERN	[Max] kg	[d] kg	approx. kg			
UIB 600K-1	600	0,2	55	760,-	963-130	165,-
UIB 1.5T-4	1500	0,5	55	760,-	963-130	165,-
UIB 3T-3	3000	1	55	760,-	963-132	440,-



Pallet truck scale with complete protection against dust and water splashes IP65/67 and a memory for a container weight

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **1 Display device:** plastic, protection against dust and water splashes IP65
- **2 Load fork:** Protection against dust and water splashes IP67, temporary use in wet areas possible
- **Pivot range 206°**
- **Castors:** Solid rubber on aluminium rims
- **3 Load rollers:** Tandem tyres to overcome thresholds and obstacles more easily
- **Totalising** of weights
- **Ready for use:** Batteries included, 4×1.5 V AA, operating time up to 80 h

Technical data

- Large LCD display, digit height 28 mm
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Castors made of red polyurethane on aluminium rims. Ideal for light-coloured flooring as they leave less visible abrasive marks. Suitable for the current models of the pallet truck scale range KERN VHB (when retrofitting, please give the serial number of the pallet truck scale available when ordering), scope of delivery: 1 item, KERN VHB-A02, € 160,-

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

STANDARD

OPTION

Model	Weighing capacity [Max] kg	Readability [d] kg	Net weight approx. kg	Price excl. of VAT ex works €	Option	
					DAkKS Calibr. Certificate	
KERN					DAkKS KERN	€
VHB 2T1	2000	1	110	1320,-	963-131	220,-

05 Hanging scales



KERN HCN

page 27

only €

130,-





KERN HCB

KERN HCN
Stainless steel
IP65

Handy suspension scales for increased loads

Features

- With the **TÜV certification mark**, the scales meet the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- Ideal for rapid control in goods-in and goods-out
- Also essential in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- 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
- Peak load display** (peak hold), Measuring frequency 5 Hz

Technical data

- LCD display, digit height 12 mm
- Hole diameter of load support, model with [Max] ≤ 200 kg: approx. 14 mm
[Max] > 200 kg: approx. 16 mm
- HCB**
 - Ready for use:** Batteries included, 3×1.5 V AA, operating time up to 300 h
 - [Max] ≤ 200 kg: Carabiner (stainless steel)** with safety catch as standard
 - [Max] ≤ 200 kg: Hook (stainless steel)** standard
 - [Max] ≥ 0,5 t:** Reinforced version for heavy loads. Snap link and Hook not included
- HCN**
 - Housing stainless steel, IP65-protected against dust and water splashes
 - Second display** on the rear of the balance
 - Ready for use: Batteries included, 2×1.5 V AA, operating time up to 200 h

Accessories

Accessories for models with [Max] ≥ 100 kg

- Hook with safety catch**, cast steel, galvanised and lacquered, revolving. Scope of delivery: 2 shackles, 1 lacquered screw bolt, 1 hook, KERN YHA-06, **€ 125,-**
- Snap link (stainless steel) with safety catch**, standard, opening approx. 15 mm, KERN HCB-A01, **€ 33,-**
- Hook (stainless steel)**, opening approx. 25 mm, KERN HCB-A02, **€ 30,-**

HCN

Accessories for models with [Max] ≤ 200 kg

- Tare pan with pan beam**, KERN CH-A01N, **€ 70,-**
- Accessories for models with [Max] ≤ 200 kg**
- Snap link (stainless steel) with safety catch**, opening approx. 15 mm, KERN HCB-A01, **€ 33,-**
- Hook (stainless steel)**, opening approx. 25 mm, KERN HCB-A02, **€ 30,-**

Accessories for models with [Max] ≥ 0,5 t

- High-strength shackle**, hot-dipped galvanised cast steel bracket, bow shaped. Scope of delivery: 2 shackles with lacquered screw bolts, suitable for models KERN HCB with [Max] ≥ 0,5 t, KERN YSC-03, **€ 50,-**

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Dimensions housing W×D×H mm	Net weight approx. kg	Price excl. of VAT ex works €	Option DAkKS Calibr. Certificate	
						DAkKS KERN	€
KERN							
HCB 20K10	20	10	82×43×153	0,60	105,-	963-128H	88,-
HCB 50K20	50	20	82×43×153	0,60	115,-	963-128H	88,-
HCB 50K100	50	100	82×43×153	0,60	90,-	963-128H	88,-
HCB 99K50	99	50	82×43×153	0,60	100,-	963-129H	105,-
HCB 100K200	100	200	82×43×153	0,60	99,-	963-129H	105,-
HCB 200K100	200	100	82×43×153	0,60	115,-	963-129H	105,-
HCB 200K500	200	500	82×43×153	0,60	95,-	963-129H	105,-
HCB 0.5T-3	500	1000	82×43×153	0,30	190,-	963-130H	165,-
HCB 1T-3	1000	2000	82×43×153	0,30	250,-	963-130H	165,-
HCN 50K100IP	50	100	96×48×179	0,80	130,-	963-128H	88,-
HCN 100K200IP	100	200	96×48×179	0,80	130,-	963-129H	105,-
HCN 200K500IP	200	500	96×48×179	0,80	130,-	963-129H	105,-

Price reduction

06 Microscopes/Refractometers/ Printers

! **Note:** A variety of other electronic refractometers or powerful microscopes for the examination of food samples can be found at www.kern-sohn.com

KERN ORA

page 29

from €

85,-





Now also available with calibration certificate!



Refractive index measurement for laboratories and the industry

Features

- The KERN ORA refractometers are universal, maintenance free analogue handheld refractometers
- 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 especailly 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 (10 °C/30 °C)
- The following accessory-parts are included:
 - Storage box
 - Calibration liquid
 - Calibration block (if required)
 - Pipette
 - Small screwdriver
 - Cleaning tissue
- Further accessories are available optionally

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: 205×75×55 mm (depending on the model)
- Product length: approx. 130 – 200 mm (depending on the model)
- Net weight approx. 135 – 600 g (depending on the model)

STANDARD

1 DAY

OPTION

AUTO
ATC

Model	Scales	Measuring range	Division	ATC	Scope of application	Price excl. of VAT ex works €
KERN						
ORA 32BA	Brix	0 – 32 %	0,2 %	✓	Sugar	85,-
ORA 3HA	Brix Baumé Water content	58 – 92 % 38 – 43 °Bé 12 – 27 %	0,5 % 0,5 °Bé 1 %	✓	Honey	90,-
ORA 1SA	Salinity specific gravity	0 – 100 ‰ 1,000 – 1,070 sg	1 ‰ 0,001 sg	✓	Salt	85,-
ORA 1WA	Oechsle KMW (Babo) Brix	0 – 140 °Oe 0 – 25 °KMW 0 – 32 %	1 °Oe 0,25 °KMW 0,2 %	✓	Wine	85,-



OZL 464
With standard stand



OZL 465
With ring illumination



OZL 467
With handle

LAB LINE

The affordable and flexible stereo zoom microscope for laboratories, inspection authorities and quality controls

Features

- The products in the KERN OZL-46 series are stereo zoom microscopes, which will impress you with their quality, easy handling, flexibility as well as their stability and economical price
- The LED reflected and transmitted illumination included as standard guarantees the very best illumination of your sample
- The highlight of the OZL 465/OZL 466 is the strong, continuously dimmable, integrated LED ring illumination in the objective housing, which ensures uniform, shadow-free illumination. An LED transmitted light variant is also included
- As well as excellent optical characteristics and their large working surface, these models offer the highest level of comfort in this class – ideal for training companies, workshops as well as assembly and repair workstations, e.g. in the electronics industry
- The zoom objective offers you continuous magnification from 7×–45×
- The KERN OZL-46 series is available as a binocular or trinocular version
- The pillar stand offers you the highest level of flexibility and the freedom to remove the microscope head and to integrate it into other modular systems, for example into a universal stand
- With its integrated handle as well as its stable arm curved stand, the KERN OZL 467/OZL 468 has been specially developed for schools and workshops
- A large selection of eyepieces, external illumination units as well as auxiliary objectives are available 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

- In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

- Samples with focus on three-dimensional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution 50:50
- Interpupillary distance 55 – 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 300×240×420 mm
- Net weight approx. 4 kg

STANDARD

Model	Standard configuration						Price excl. of VAT ex works €
	Tube	Eyepiece	Field of view mm	Objective Zoom	Stand	Illumination	
KERN							
OZL 463	Binocular	HWF 10×/ø 20 mm	ø 28,6 – 4,4	0,7× – 4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	500,–
OZL 464	Trinocular	HWF 10×/ø 20 mm	ø 28,6 – 4,4	0,7× – 4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	570,–
OZL 465	Binocular	HWF 10×/ø 20 mm	ø 28,6 – 4,4	0,7× – 4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	550,–
OZL 466	Trinocular	HWF 10×/ø 20 mm	ø 28,6 – 4,4	0,7× – 4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	620,–
OZL 467	Binocular	HWF 10×/ø 20 mm	ø 28,6 – 4,4	0,7× – 4,5×	Arm curved	3 W LED (incident); 3 W LED (transmitted)	510,–
OZL 468	Trinocular	HWF 10×/ø 20 mm	ø 28,6 – 4,4	0,7× – 4,5×	Arm curved	3 W LED (incident); 3 W LED (transmitted)	580,–



STANDARD



NEW

Dot matrix printer KERN YKG-01

High-quality dot matrix printer

Flexible and rapid dot matrix printer for retail, the catering trade and for restaurant kitchens. To print the weights on normal paper, which is ideal for long-term archiving. This model has an automatic paper cutter, an interchangeable interface and you will be impressed by how easy it is to replace the paper and belt

Technical data

- Needle print
- Speed: 4,7 line/s
- Max. 42 characters per line
- Supported paper widths: 58 mm, 70 mm, 76 mm (roll)
- Operation via mains adapter 230 V/50 Hz standard EU, as standard
- Interfaces: RS-232, cash drawer connection,

- bidirectional parallel
- Interface cable not included with delivery
- Dimensions housing B×T×H 160×248×139 mm
- Not suitable for KERN DAB, DBS, DLB, FKT, RFE ranges

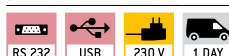
Price printer without interface cable, KERN YKG-01, **€ 550,-**

Accessories

- Paper rolls (5 pcs.), KERN YKG-A01, **€ 30,-**



STANDARD



NEW

Thermal label printer KERN YKH-01

High-quality thermal printer – fast, robust, user-friendly

Robust, low-maintenance dot matrix printer for retail, the catering trade and for restaurant kitchens. Extremely compact and long-lasting. Thanks to the waterproof switch cover and an external signal bleep, it is particularly suitable for use under tough, loud environmental conditions

Technical data

- Thermal print
- Speed: 2 line/s
- Max 64 characters per line
- Supported paper widths: 58 mm, 80 mm (roll)
- Operation via mains adapter 230 V/50 Hz standard EU, as standard

- Interfaces: RS-232, USB 2.0
- Interface cable not included with delivery
- Dimensions housing B×T×H 140×199×146 mm
- Not suitable for KERN DAB, DBS, DLB, FKT, RFE ranges
- Direct printing from mobile devices possible with ePOS technology

Price printer without interface cable, KERN YKH-01, **€ 370,-**

Accessories

- Paper rolls (5 pcs.), KERN YKH-A01, **€ 30,-**

Important note for printer orders:

Please state your balance model when ordering, so that the printer can be preconfigured in the factory to suit your balance.



1769

Ancestor Johann Jakob Sauter built the Hahn inclination scale out of iron, a foundation stone for weighing for the balance industry in Southern Germany



1844

KERN is founded – precision balances are produced



1863

A proud Gottlieb Kern with his staff



1880

Pharmaceutical balance with Aesculap



1923

Inflation – KERN wages are paid with self printed currency



1980

The electronic balance ousts mechanical devices



1994

Accredited DKD laboratory (ISO 17025)



2000

New premises in Balingen



2002

Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards



2007

Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)



2008

Authorisation for initial verification by the manufacturer (2009/23/EC)



2009

Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)



2011

Expansion of the product range to include SAUTER force measurement technology, material thickness measurement, hardness testing technology, work safety/environment



2012

Verification point for non-automatic balances and test weights.

New customer portal www.kern-sohn.com goes live



2014

Expansion of the product range to include optical instruments (microscopes and refractometers)



2015

Inauguration of Ziegelei 2.0 with computer-controlled high-bay warehouse



2017

Come with KERN into the digital future: Expansion of the model ranges compatible with Industry 4.0, as well as the related services



2019

Significant anniversary year! 25 years of accredited DKD laboratory 175 years of KERN & SOHN 250 years of balance manufacture in the Sauter family-owned company



2020

Construction of Ziegelei 3.0, extension of administration building