SCALES FOR THE FOOD INDUSTRY
Scales and measuring instruments for industrial kitchens, cafeterias and catering trade
Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required

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

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

RS-485 data interface: To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

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

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

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

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)

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


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

Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out

Totalising level A: The weights of similar items can be added together and the total can be printed out

Percentage determination: Determining the deviation in % from the target value (100 %)

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

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

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

Protection against dust and water splashes IPx:
The type of protection is shown in the pictogram.

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

Rechargeable battery pack: Rechargeable set

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

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

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

Weighing principle: Strain gauges: Electrical resistor on an elastic deforming body

LED illumination: Cold, energy saving and especially long-life illumination

Incident illumination: For non-transparent objects

Transmitting illumination: For transparent objects

Zoom magnification: For stereomicroscopes

Automatic temperature compesation: For measurements between 10 °C and 30 °C

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

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

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

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

*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KERN & SOHN GmbH is under license. Other trademarks and trade names are those of their respective owners.
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

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**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

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**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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**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.

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**Weighing technology for more than 175 years**

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**Authorisation for initial verification by the manufacturer**
2014/31/EU

**Medical certifications**
DIN EN ISO 13485 and 93/42/EEC
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
Product specialist
Scales for the food industry
Tel. +49 7433 9933-168
Fax +49 7433 9933-29168
sebastian.hipp@kern-sohn.com

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

<table>
<thead>
<tr>
<th>KERN-Pictogram</th>
<th>1. digit</th>
<th>Specification</th>
<th>2. digit</th>
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<td><img src="image" alt="IP65" /></td>
<td>6</td>
<td>Dustproof</td>
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<td>Protection against jets of water (nozzle) from any angle (cleaning with a damp cloth)</td>
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<tr>
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<td>Dustproof</td>
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<td>Protection against powerful jets of water</td>
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<td>7</td>
<td>Protection against temporary immersion</td>
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<td>6</td>
<td>Dustproof</td>
<td>8</td>
<td>Protection against continuous immersion (designed for continuous use in wet areas, submersion is possible depending on the pressure (water depth))</td>
</tr>
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</table>
Stainless steel/Protection against dust and water splashes IP65...68

KERN FOB-LM
page 7
only € 265,–
Stainless steel bench scale KERN FOB-NS

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**
- **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,-

Table:

<table>
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<tr>
<th>Model</th>
<th>Weighing capacity</th>
<th>Readability</th>
<th>Weighing plate</th>
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</table>

STANDARD

OPTION

DAkkS Calibr. Certificate
- **DAkkS**
  - **KERN**
  - **€**

www.kern-sohn.com · Order hotline +49 7433 9933-0
Stainless steel bench scale KERN FOB-LM

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

Features
- 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
- 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
- Protective working cover, scope of delivery: 5 items, KERN FOB-A13S05, € 40,-
- Mains adapter external, KERN FOB-A01, € 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,-

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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**

- **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,-

**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

**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,-

**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

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

Features
- Ideal for the increased hygienic requirements in the food, pharmaceutical and chemical industries
- Your support in a HACCP-compliant quality system
- Ideal for the robust industrial applications
- 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,-

### Model

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<th>KERN</th>
<th>Weighing capacity [Max] kg</th>
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</table>

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.

###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,-
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, W×D 236×195 mm
- Overall dimensions W×D×H 240×280×120 mm
- Ready for use: Batteries included, 4×1.5 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., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-

**Note:** Official verification duty for commercial trade

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### IP protected bench scale KERN FXN

- **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, W×D 236×195 mm
- Overall dimensions W×D×H 240×280×120 mm
- Ready for use: Batteries included, 4×1.5 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., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-

**Note:** Official verification duty for commercial trade
Platform scale with stainless steel display device KERN SFE

**Features**

- Platform scale protected to IP65 with stainless steel display device, for industrial applications, hygienic and easy to clean
- **Platform**: weighing plate stainless steel, painted steel base, silicone-coated aluminum 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 W×D×H
  - 300×240×110 mm, see larger picture
  - 400×300×130 mm
  - 500×400×140 mm
  - 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: Height of stand approx. 200 mm, Type B KERN SFE-A01, € 55,-
  - B: Height of stand approx. 400 mm, Type B KERN SFE-A02, € 55,-
  - C: Height of stand approx. 600 mm, Type C 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,-

**Model**

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**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.

**Accessories**

- **Stand** to elevate display device, for models with weighing plate size
  - A: Height of stand approx. 200 mm, Type B KERN SFE-A01, € 55,-
  - B: Height of stand approx. 400 mm, Type B KERN SFE-A02, € 55,-
  - C: Height of stand approx. 600 mm, Type C KERN SFE-A03, € 65,-

**Price reduction**

www.kern-sohn.com · Order hotline +49 7433 9933-0

Stainless steel/IP65...68 protection
Stainless steel platform scales with IP65/67 protection, also with XL platform or 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 IP67
- **Display device:** stainless steel, protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- **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,-
- **Stand** to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, € 120,-

### Model Specifications

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<tr>
<th>Model</th>
<th>Weighing capacity [kg]</th>
<th>Readability [g]</th>
<th>Verification value [g]</th>
<th>Minimal load [g]</th>
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*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**

www.kern-sohn.com · Order hotline +49 7433 9933-0

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**STANDARD**

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**Price reduction**

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**OPTION**

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* ONLY WHILE STOCKS LAST

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**FACTORY**

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**Note:** For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
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. Substructured 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 blacklit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
  - 300×240×86 mm
  - 400×300×89 mm
  - 500×400×123 mm
  - 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
- Height of stand approx. 200 mm, KERN IXS-A02, € 70,-
- Height of stand approx. 400 mm, KERN IXS-A03, € 75,-
- Height of stand approx. 600 mm, KERN IXS-A04, € 85,-
- Rechargeable battery pack internal, operating time up to 8 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,-

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

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.
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**

- **KERN RIB-HM**: Elevated display backlit, height of stand approx. 530 mm, must be ordered at purchase
- **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

**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

**Features**

- **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

**Application examples**

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

**Note**: Official verification duty for commercial trade

---

**Features**

- **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,-
- **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,-

**Accessories**

- **Protective working cover**, included with delivery
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04, € 40,-
- **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

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**Table: Price computing scale KERN RIB**

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**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.

---

**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

www.kern-sohn.com · Order hotline +49 7433 9933-0
Price computing scale KERN RFE

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
- Second display on the rear of the balance
- 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
- 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
- Heads 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing capacity [Max] kg</th>
<th>Readability [g]</th>
<th>Verification value [e] g</th>
<th>Minimal load [Min] g</th>
<th>Price excl. of VAT ex works €</th>
<th>Option</th>
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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
- **Particularly flat design**
- **Ergonomically optimised key pad**
- **Simple and convenient 5-key operation**
- **Large high-contrast display that is easy to read**
- **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**
  - Ø 105 mm
  - 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**

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<th>Linearity</th>
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Bench scale KERN FCF

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 constrained 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 delivery, 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**

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<td>963-128</td>
<td>963-128</td>
</tr>
</tbody>
</table>

www.kern-sohn.com · Order hotline +49 7433 9933-0
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 W×D: 295×225 mm
- Overall dimensions W×D×H: 320×345×125 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., W×D×H: 370×240×20 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

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### Bench scale KERN GAB-N

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing capacity [Max] kg</th>
<th>Readability [d] g</th>
<th>Verification value [e] g</th>
<th>Minimal load [Min] g</th>
<th>Smallest part weight [Normal] g/piece</th>
<th>Price excl. of VAT ex works €</th>
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<td>-</td>
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<td>-</td>
<td>2</td>
<td>2</td>
<td>295,-</td>
<td>-</td>
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</tbody>
</table>

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 | 963-128 | 88,-  
GAB 15K2DNM     | 6 | 15 | 2 | 5 | 2 | 5 | 40 | 5 | 225,- | 965-228 | 963-128 | 88,-  
GAB 30K5DNM     | 15 | 30 | 5 | 10 | 5 | 10 | 100 | 10 | 225,- | 965-228 | 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
- 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
  - 1000×1000×108 mm
  - 1200×1500×108 mm
  - 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,-
- **Ascending ramp**, steel, powder coated, not included, for models with weighing plate size
  - 1000×1000×108 mm, KERN BIC-A01, € 350,-
  - 1200×1000×108 mm, KERN BIC-A02, € 380,-
  - 1500×1000×108 mm, KERN BIC-A03, € 465,-
- **Stable pit frame**, steel, powder coated, for models with weighing plate size
  - 1088×1088×110 mm, KERN BIC-A04, € 300,-
  - 1288×1588×110 mm, KERN BIC-A05, € 335,-
  - 1588×1588×110 mm, KERN BIC-A06, € 355,-

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

<table>
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<tr>
<th>Model</th>
<th>Weighing capacity [Max] kg</th>
<th>Readability [d] kg</th>
<th>Net weight approx. kg</th>
<th>Weighing plate</th>
<th>Price exl. of VAT</th>
<th>Option</th>
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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
- **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
- **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
  - 1600×1200×80 mm
  - 1800×1400×80 mm
- Platform height in the drive-through area: 80 mm
- Dimensions weighing surface
  - W×D 1000×1000 mm
  - 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,-
- 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 hours 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,-
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- **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,-

**Price reduction**
Also available as stainless steel version • KERN NFN

---

**Model**
- **KERN**
- **NFB 600K200M**
- **NFB 600K200LM**
- **NFB 1.5T0.5M**
- **NFB 1.5T0.5LM**

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</table>

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

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

---

**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
- **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
- **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
  - 1600×1200×80 mm
  - 1800×1400×80 mm
- Platform height in the drive-through area: 80 mm
- Dimensions weighing surface
  - W×D 1000×1000 mm
  - 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,-
- 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 hours 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,-
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- **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,-

**Price reduction**
Also available as stainless steel version • KERN NFN

---

**Model**
- **KERN**
- **NFB 600K200M**
- **NFB 600K200LM**
- **NFB 1.5T0.5M**
- **NFB 1.5T0.5LM**

<table>
<thead>
<tr>
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<td></td>
<td>kg</td>
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<td>kg</td>
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<td>963-130</td>
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<td>155</td>
<td></td>
<td>1650,-</td>
<td>965-230</td>
<td>963-130</td>
</tr>
</tbody>
</table>

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

- Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs
### Features
- **High mobility**: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations
- **Load support**: steel, powder coated, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67
- **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
- **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,-**

**Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs**
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
- Display device: plastic, protection against dust and water splashes IP65
- Load fork: Protection against dust and water splashes IP67, temporary use in wet areas possible
- Pivot range 206°
- Castors: Solid rubber on aluminium rims
- 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,-

**Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs.**
05 Hanging scales

KERN HGN
page 27
only €
130,-
Hanging scales KERN HCB - HCN

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
- Hole diameter of load support, model with [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
- HCB
- 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,-
- HCB
  Accessories for models with [Max] ≤ 20 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,-

<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing capacity</th>
<th>Readability</th>
<th>Dimensions housing</th>
<th>Net weight approx.</th>
<th>Price excl. of VAT ex works</th>
<th>Option</th>
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<tbody>
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<td>[Max] kg</td>
<td>[d] g</td>
<td>W×D×H mm</td>
<td>approx. kg</td>
<td>€</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Accessories for models with [Max] ≤ 20 kg</th>
<th>Price</th>
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<tr>
<td>HCN</td>
<td>Tare pan with pan beam, KERN CH-A01N, € 70,-</td>
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</tbody>
</table>

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,-
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
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 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 (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).

Analogue refractometer KERN ORA

Refractive index measurement for laboratories and the industry

Now also available with calibration certificate!

<table>
<thead>
<tr>
<th>Model</th>
<th>Scales</th>
<th>Measuring range</th>
<th>Division</th>
<th>ATC</th>
<th>Scope of application</th>
<th>Price excl. of VAT ex works</th>
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<tr>
<td>ORA 32BA</td>
<td>Brix</td>
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<td>Sugar</td>
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<td>ORA 3HA</td>
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<td>Baumé</td>
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<td>1 %</td>
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<tr>
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<td>1 %</td>
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<td>0,001 sg</td>
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<td>Oechsle</td>
<td>0 – 140 °Oe</td>
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<td>Wine</td>
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<tr>
<td></td>
<td>Brix</td>
<td>0 – 32 %</td>
<td>0,2 %</td>
<td></td>
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</tbody>
</table>
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×

Scope of application
• In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples
• Samples with focus on three-dimesnional 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

Model | Standard configuration | Price excl. of VAT ex works €
--- | --- | ---
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,—
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.

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

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

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

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,-
KERN & SOHN GmbH
Balances, Test weights, Microscopes, DÄkkS Calibration laboratory
Ziegelei 1
72336 Balingen
Germany
Tel. +49 7433 9933-0
Fax +49 7433 9933-149
info@kern-sohn.com
www.kern-sohn.com

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.

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.