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.

### GLP / ISO log:
With weight, date and time. Only with KERN printers.

### Rechargeable battery pack:
Rechargeable set

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

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

### Universal mains adapter:
With universal input and optional input socket adapters for:
- A) EU, CH
- B) EU, CH, GB, USA

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

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

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

### 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.

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

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

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

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

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

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

### 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.

### Automatic temperature compensation:
For measurements between 10 °C and 30 °C.

### 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.

### 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.

### 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)

### 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 IPxx:
The type of protection is shown in the pictogram.

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

### Network interface:
For connecting the scale to an Ethernet network.

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

### 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.

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

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

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

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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**
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**Service hotline**
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**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 01.01.2019 – 31.12.2019. 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!
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).

All stainless steel components of the IP65...68 protected KERN stainless steel scales are made of corrosion-resistant steel of quality class 1.4301 (DIN X5CrNi18-10). The material properties support you in your HACCP-compliant quality system.

Lisa Haß
Product specialist
Scales for the food industry

Tel.  +49 [0] 7433 9933-219
Fax  +49 [0] 7433 9933-29219
lisa.haiss@kern-sohn.com
Bench scales

KERN FCF
page 6
only €
185,-
Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry and gastronomy

**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, 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,-
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 294×225 mm
- Overall dimensions W×D×H 320×330×125 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 or barcode reader and printer, KERN CFS-A02, € 55,-
- **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,-
- Further details, plenty of further accessories and suitable printers see website

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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### Technical data

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- Further details, plenty of further accessories and suitable printers see website

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- 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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### 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 €
--- | --- | --- | --- | --- | --- | ---
GAB 6K0.05N | 6 | 0,05 | - | - | 0,5 | 295,-
GAB 12K0.1N | 12 | 0,1 | - | - | 1 | 295,-
GAB 30K0.2N | 30 | 0,2 | - | - | 2 | 295,-

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**
  - Model: GAB 6K1DNM
  - Verification: KERN GC-A120
  - DARkSS Calibr. Certificate: KERN GC-A120
  - Price: € 225,-

- **GAB 15K2DNM**
  - Model: GAB 15K2DNM
  - Verification: KERN GC-A120
  - DARkSS Calibr. Certificate: KERN GC-A120
  - Price: € 225,-

- **GAB 30K5DNM**
  - Model: GAB 30K5DNM
  - Verification: KERN GC-A120
  - DARkSS Calibr. Certificate: KERN GC-A120
  - Price: € 225,-

Note: Official verification duty for commercial trade

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

Bench scales
Price computing scales

KERN RFE
page 10
only € 280,-
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

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: 325×400×400 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,-
- 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

Table: KERN RIB
<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>Price excl. of VAT ex works €</th>
<th>Option</th>
<th>Calibration</th>
<th>DakkS</th>
<th>KERN</th>
<th>€</th>
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<tbody>
<tr>
<td>RIB 6K-3M</td>
<td>3</td>
<td>6</td>
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<td>RIB 10K-3M</td>
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<td>5</td>
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<td>5</td>
<td>10</td>
<td>100</td>
<td>200</td>
<td>205,-</td>
<td>965-228</td>
</tr>
</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.

Price reduction
www.kern-sohn.com · Order hotline +49 7433 9933-0
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
- 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, for further details, see website, 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</th>
<th>Readability</th>
<th>Verification value</th>
<th>Minimal load</th>
<th>Price excl. of VAT ex works</th>
<th>Verification</th>
<th>DAkkS Calibr. Certificate</th>
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<tbody>
<tr>
<td>KERN</td>
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<td>RFE 30K3M</td>
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<td>10</td>
<td>5</td>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</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.
Stainless steel/Protection against dust and water splashes IP65...68

KERN WTB-N
page 14
from € 215,–
Stainless steel bench scales KERN FOB-S · FOB-NS

Compact stainless steel balances with high level of protection against dust and water splashes

<table>
<thead>
<tr>
<th>Features</th>
<th>KERN FOB-S</th>
<th>KERN FOB-NS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stainless steel design of the housing</strong> and weighing plate. Its smooth surfaces make it simple to clean</td>
<td><strong>Particularly flat design</strong></td>
<td></td>
</tr>
<tr>
<td><strong>High mobility:</strong> thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)</td>
<td><strong>Protection against dust and water splashes IP65</strong> (only when using battery)</td>
<td></td>
</tr>
<tr>
<td>Secure and non-slip positioning with rubber feet</td>
<td><strong>Your support in a HACCP-compliant quality system</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Protective working cover</strong> included with delivery</td>
<td><strong>Protective working cover</strong>, scope of delivery: 5 items, KERN FOB-A11S05, € 40,-</td>
<td></td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td><strong>Features</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Technical data</strong></td>
<td>• Large LCD display, digit height 20 mm</td>
<td>• Large LCD display, digit height 20 mm</td>
</tr>
<tr>
<td></td>
<td>• Dimensions weighing surface, stainless steel, W×D 125×155 mm</td>
<td>• Dimensions weighing surface, stainless steel, W×D 120×150 mm</td>
</tr>
<tr>
<td></td>
<td>• Overall dimensions W×D×H 175×155×60 mm</td>
<td>• Overall dimensions W×D×H 170×150×40 mm</td>
</tr>
<tr>
<td></td>
<td>• Ready for use: Battery included, 9 V Block, operating time up to 20 h</td>
<td>• Ready for use: Batteries included, 9 V block, operating time up to 24 hours</td>
</tr>
<tr>
<td></td>
<td>• Net weight approx. 0,7 kg</td>
<td>• Net weight approx. 0,8 kg</td>
</tr>
<tr>
<td></td>
<td>• Permissible ambient temperature 10 °C/40 °C</td>
<td>• Permissible ambient temperature 10 °C/35 °C</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td><strong>Accessories</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Protective working cover, scope of delivery: 5 items, KERN FOB-A11S05, € 40,-</td>
<td>• Protective working cover, scope of delivery: 5 items, KERN FOB-A12S05, € 40,-</td>
</tr>
<tr>
<td></td>
<td>• Mains adapter external, KERN FOB-A09, € 35,-</td>
<td>• Mains adapter external, KERN FOB-A09, € 35,-</td>
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### Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing capacity</th>
<th>Readability</th>
<th>Weighing plate</th>
<th>Price excl. of VAT ex works</th>
<th>Options</th>
<th>DAkkS Calibr. Certificate</th>
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<tr>
<td></td>
<td>([Max] kg)</td>
<td>[d] g</td>
<td>W×D mm</td>
<td>€</td>
<td>KERN</td>
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<tr>
<td><strong>FOB 500-1S</strong></td>
<td>0,5</td>
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<td><strong>FOB 5K1S</strong></td>
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<td><strong>FOB 0.5K-4NS</strong></td>
<td>0,5</td>
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<td>150×120</td>
<td>105,-</td>
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<td>72,-</td>
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<td>1</td>
<td>150×120</td>
<td>105,-</td>
<td>963-127</td>
<td>72,-</td>
</tr>
</tbody>
</table>

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

Stainless steel bench scale with large weighing capacities and IP67 protection against dust and water splashes

### Features
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean.
- **Protection against dust and water splashes** IP67 (only when using battery).
- **High mobility**: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.).
- **Your support in a HACCP-compliant quality system**
- **Secure and non-slip positioning** with rubber feet.

#### NEW: Innovative weighing with tolerance range (Check-weighing): 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.
- **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)

### Technical data
- **Large backlit LCD display**, digit height 25 mm
- **Overall dimensions** W×D×H 285×255×90 mm
- **KERN FOB-NL**: Ready for use: Batteries included, 4×1.5 V AA, operating time up to 48 h
- **Net weight approx.** 3,8 kg
- **Permissible ambient temperature** 5 °C/35 °C

### Accessories
- **Protective working cover**, scope of delivery: 5 items, KERN FOB-A13S05, € 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,-
- **Mains adapter external**, standard, can be reordered, KERN FOB-A01, € 35,-

### Model Comparison

<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing capacity [Max] kg</th>
<th>Readability [d] g</th>
<th>Verification value [e] g</th>
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- **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.

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www.kern-sohn.com · Order hotline +49 7433 9933-0 Stainless steel/IP65...68 protection
Ideal for food industry, thanks to its IP65 protection and special checkweighing display, now 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,-
- Sturdy transport case to protect and store the scale, dimensions W×D×H 510×360×220 mm, KERN RFB-A02, € 115,-

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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.

| WTB 1K-4NM | 1.5 | 0.5 | 0.5 | 10 | 250,- | 965-227 | 55,- |
| WTB 3K-3NM | 3   | 1   | 1   | 20 | 250,- | 965-227 | 55,- |
| WTB 6K-3NM | 6   | 2   | 2   | 40 | 250,- | 965-228 | 70,- |
| WTB 10K-3NM | 15  | 5   | 5   | 100| 250,- | 965-228 | 70,- |
| WTB 30K-2NM | 30  | 10  | 10  | 200| 250,- | 965-228 | 70,- |
IP protected bench scale KERN FFN

All-round bench scale, protected by stainless steel and IP65 rating, now 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**
- **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

- **Protection against dust and water splashes IP65** (only when using rechargeable battery pack)

**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,-

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**Model**

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<th>Readability [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.

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www.kern-sohn.com · Order hotline +49 7433 9933-0 Stainless steel/IP65...68 protection 15
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 up to 200 h, AUTO-OFF function to preserve the battery
- **Net weight approx. 3.2 kg**
- **Permissible ambient temperature** KERN FXN-N: 0 °C/40 °C KERN FXN-M: -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,-
- **Further details, plenty of further accessories and suitable printers see website**

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

**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.
## 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 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 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
- **Height of stand approx. 200 mm,** KERN SFE-A01, € 55,-
- **Height of stand approx. 400 mm,** KERN SFE-A02, € 55,-
- **Height of stand approx. 600 mm,** 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,-

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

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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 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)

**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

**Stainless steel platform scale KERN SFB-H · SFB**

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- 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, € 75,-
- Stand to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, € 120,-
- Further details, plenty of further accessories and suitable printers see website

**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.

**Model**

- SFB 50K-3XL
- SFB 100K-2L
- SFB 100K-2XL
- SFB 200K-2XL
- SFB 10K1HIP
- SFB 20K2HIP
- SFB 50K5HIP
- SFB 50K5LHIP
- SFB 100K10HIP
- SFB 60K20LHIPM

**Features**

- 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)

**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, € 75,-
- Stand to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, € 120,-
- Further details, plenty of further accessories and suitable printers see website

**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.

**Model**

- SFB 50K-3XL
- SFB 100K-2L
- SFB 100K-2XL
- SFB 200K-2XL
- SFB 10K1HIP
- SFB 20K2HIP
- SFB 50K5HIP
- SFB 50K5LHIP
- SFB 100K10HIP
- SFB 60K20LHIPM

**Features**

- 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)
Stainless steel platform scale KERN SXS

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
  - 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

Accessories

- Stand to elevate display device, must be ordered at purchase, 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, 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,-
- Further details, plenty of further accessories and suitable printers see website

Stainless steel platform scale with stainless steel IP68 display and EC type approval [M]

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Accessories

- Stand to elevate display device, must be ordered at purchase, 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, 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,-
- Further details, plenty of further accessories and suitable printers see website
Floor scales/Pallet truck scales

KERN BID
page 21/22
from €
1020,-
Floor scale KERN BID/BID-D

Floor scale with EC type approval [M]* and the best price-to-performance ratio – now also as a high-resolution dual-range scale

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

Access ramp incl. pair of base plates to facilitate access of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers, containers refuse etc.

Stable pit frame, to install the weighing bridge so you can drive straight on
### Features
- **NEW:** now also available as a dual-range balance!
  Ideal, when high maximum loads need to be weighed, but in the lower load range you still need high resolution. This means that two balances can be replaced with one – which saves space and money!
- **BID 1T-4EM:** Compact special size, especially for weighing europallets
- **Weighing bridge:** out of anti-slip corrugated steel, 4 silicone-coated steel load cells, dust and spray protection IP67
- **Easy levelling of the weighing bridge** as well as access to the junction box from above
- **Display device:** for details see KERN KFB-TM
- **Totalising** of weights and piece counts
- **Thanks to interfaces** such as RS-232 or WiFi, Bluetooth, Ethernet (optional), the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer
- **Searching and remote control of the balance** using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol.
  - Only possible through data interface RS-232, is compatible with the MT-SICS protocol.
  - Rechargeable battery pack internal
  - Dimensions of display device W×D×H
  - Protective working cover, scope of delivery:
  - ASCENDING RAMP, steel, powder coated, to install the weighing bridge so you can drive straight on, for models with weighing plate size
  - STABLE PIT FRAME, steel, powder coated, for display device
  - Rechargeable battery pack internal, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01, € 35,-
  - Verification at the factory, we need to know the full address of the location of use.

### Technical data
- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
  - 1000×1000×108 mm
  - 1200×1000×108 mm
  - 1200×1500×108 mm
  - 1500×1500×108 mm
- Dimensions of display device W×D×H
  - 260×115×70 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

### Accessories
- **Stable pit frame**, steel, powder coated, to install the weighing bridge so you can drive straight on
- **Rechargeable battery pack internal**, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01, € 35,-

### Floor scale KERN BID/BID-D

**Features**

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<tr>
<th>Model</th>
<th>Weighing capacity [Max] kg</th>
<th>Readability</th>
<th>Minimal load [Min] kg</th>
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### Options

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**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.**
Floor scale KERN BFN

Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), with EC type approval [M]

Features
- Tough industry standard suitable for use in harsh industrial applications
- Weighing plate screwed on from the top, with stainless steel screws, so it’s easy to remove, hygienic and easy to clean
- Weighing bridge: stainless steel, extremely resistant to bending due to material thickness, 4 welded stainless steel load cells, dust and spray protection IP68. Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V40
- Your support in a HACCP-compliant quality system
- Easy levelling of the weighing bridge as well as access to the junction box from above
- Display device: stainless steel, protection against dust and water splashes IP65, for industrial applications, hygienic and easy to clean, integrated power supply. The display device can also be delivered as a component without the weighing bridge, for details see KERN KFN-TM
- Benchtop stand incl. wall mount for display device as standard
- Totalising of weights and piece counts

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
- Dimensions of display device W×D×H 266×165×96 mm
- Weighing plate dimensions W×D×H 1000×1000×85 mm
- Weighing plate dimensions W×D×H 1500×1200×80 mm
- 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, height of stand approx. 800 mm, KERN YKP-02, € 285,-
- Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03, € 60,-
- Ascending ramp, stainless steel, not included, models with weighing plate size KERN BFN-A05, € 1090,-
- KERN BFN-A01, € 1120,-
- Stable pit frame, stainless steel, for models with weighing plate size KERN BFN-A06, € 730,-
- KERN BFN-A02, € 850,-
- Data interface RS-232, interface cable included, approx. 1.5 m, must be ordered at purchase, KERN KFN-A01, € 95,-
- 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,-
- Further details, plenty of further accessories and suitable printers see website

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

ONLY WHILE STOCKS LAST
Drive-through scale KERN NFB

**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, 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,-
- **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 or barcode reader 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,-
- Further details, plenty of further accessories and suitable printers see website

**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.
Stainless steel drive-through scale (IP68) with stainless steel display device (IP65), with EC type approval [M]

Features
- Robust stainless steel drive-through scale for rapid weighing of e.g. laundry carts, container trolleys, roller containers, etc. Ideal for hospital laundry services, goods inwards, hospital kitchens, etc.
- Low platform height and integrated access ramps on both sides facilitate access. No need for pit frame installation – which saves money
- Ideal for the increased hygienic requirements in the food, pharmaceutical and chemical industries
- Weighing bridge: stainless steel, extremely resistant to bending due to material thickness, 4 welded stainless steel load cells, dust and spray protection IP68. Weighing bridge can also be delivered as component without the display device, for details see KERN KFD-V40
- Your support in a HACCP-compliant quality system
- Display device: for details see KERN KFN-TM
- Totalising of weights and piece counts

- 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
- Platform height in the drive-through area: 80 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories
- Stand to elevate display device, height of stand approx. 800 mm, KERN BFN-A04, € 285,-
- Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03, € 60,-
- Internal rechargable battery pack, operating time up to 35 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, € 95,-
- Large display with superior display size, KERN YKD-A02, € 220,-
- 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,-
- Further details, plenty of further accessories and suitable printers see website

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

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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.

ONLY WHILE STOCKS LAST
Pallet scale with steel load support (IP67) and 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.
- **Load support**: steel, powder coated, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67, Weighing bridge can also be delivered as component without the display device, for details see KERN KFU-V20
- Two wheels for easy transportation of the scale
- **Weighing with tolerance range (checkweighing)**: A visual and audible signal assists the rapid checking of items on palettes
- **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 backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 250×160×58 mm
- Cable length of display device approx. 5 m
- Net weight approx. 55 kg
- 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, KERN BFS-A07, € 120,-
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 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,-
- **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 or barcode reader 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,-
- Further details, plenty of further accessories and suitable printers see website

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

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**STANDARD**

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**Option**

- **DAkkS Calibration Certificate**

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<td>KERN</td>
<td>€ 132,-</td>
</tr>
<tr>
<td>KERN</td>
<td>€ 963-130</td>
</tr>
<tr>
<td>KERN</td>
<td>€ 165,-</td>
</tr>
</tbody>
</table>

**Factory**

- **Option**

<table>
<thead>
<tr>
<th>Verification</th>
<th>DAkkS Calibr. Certificate</th>
</tr>
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<tbody>
<tr>
<td>KERN</td>
<td>€ 965-230</td>
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<tr>
<td>KERN</td>
<td>€ 132,-</td>
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<tr>
<td>KERN</td>
<td>€ 963-130</td>
</tr>
<tr>
<td>KERN</td>
<td>€ 165,-</td>
</tr>
</tbody>
</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.

www.kern-sohn.com · Order hotline +49 7433 9933-0
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 ranges KERN VHB, KERN VHS (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**
Hanging scales

KERN HCB · HCN
page 29
from €
90,–
### 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] ≥ 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] ≤ 20 kg**
  - Tare pan with pan beam, details see website, KERN CH-A01N, € 70,-
- **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,-
- **Accessories for models with [Max] ≤ 200 kg**
  - Snap link (stainless steel) with safety catch, standard, opening approx. 15 mm. Can be reordered, KERN HCB-A01, € 33,-
  - **Hook (stainless steel)**, standard, opening approx. 25 mm. Can be reordered, 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,-

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The handy scales for higher loads up to 1 t

### Model Details
<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing capacity</th>
<th>Readability</th>
<th>Dimensions housing</th>
<th>Net weight</th>
<th>Price excl. of VAT ex works</th>
<th>Option</th>
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<tbody>
<tr>
<td>KERN HCB</td>
<td></td>
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<td>DAKKS Calibr. Certificate</td>
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<tr>
<td>HCB 20K10</td>
<td>≥ 20</td>
<td>10</td>
<td>80×45×150</td>
<td>0,60</td>
<td>105,-</td>
<td>943-128H 88,-</td>
</tr>
<tr>
<td>HCB 50K20</td>
<td>≥ 50</td>
<td>20</td>
<td>80×45×150</td>
<td>0,60</td>
<td>115,-</td>
<td>943-128H 88,-</td>
</tr>
<tr>
<td>HCB 50K100</td>
<td>≥ 50</td>
<td>100</td>
<td>80×45×150</td>
<td>0,60</td>
<td>90,-</td>
<td>943-128H 88,-</td>
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<tr>
<td>HCB 99K50</td>
<td>≥ 99</td>
<td>50</td>
<td>80×45×150</td>
<td>0,60</td>
<td>100,-</td>
<td>943-128H 88,-</td>
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<tr>
<td>HCB 100K200</td>
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<td>200</td>
<td>80×45×150</td>
<td>0,60</td>
<td>99,-</td>
<td>943-128H 88,-</td>
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<tr>
<td>HCB 200K100</td>
<td>≥ 200</td>
<td>100</td>
<td>80×45×150</td>
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<td>115,-</td>
<td>943-128H 88,-</td>
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<tr>
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<td>500</td>
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<td>943-130H 165,-</td>
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<tr>
<td>HCB 1T-3</td>
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<td>2000</td>
<td>80×48×150</td>
<td>0,30</td>
<td>275,-</td>
<td>943-130H 165,-</td>
</tr>
</tbody>
</table>

### Accessories Details
- **Stainless steel**

**Price reduction**
Note: A variety of powerful microscopes, such as KERN OBE-1 or OZL-46, for the analysis of food samples can be found at www.kern-sohn.com.
Analogue refractometer KERN ORA

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

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)

<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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<tbody>
<tr>
<td>KERN 32BA</td>
<td>Brix</td>
<td>0 – 32 %</td>
<td>0,2 %</td>
<td>✓</td>
<td>Sugar</td>
<td>85,–</td>
</tr>
<tr>
<td>KERN 3HA</td>
<td>Brix</td>
<td>58 – 92 %</td>
<td>0,5 %</td>
<td>✓</td>
<td>Honey</td>
<td>90,–</td>
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<tr>
<td>KERN 1SA</td>
<td>Salinity specific gravity</td>
<td>0 – 100 %, 1,000 – 1,070 sg</td>
<td>1 %, 0,001 sg</td>
<td>✓</td>
<td>Salt</td>
<td>85,–</td>
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<tr>
<td>KERN 1WA</td>
<td>Oechsle KMW (Babo) Brix</td>
<td>0 – 140 °Oe, 0 – 25 °KMW, 0 – 32 %</td>
<td>1 °Oe, 0,25 °KMW, 0,2 %</td>
<td>✓</td>
<td>Wine</td>
<td>85,–</td>
</tr>
</tbody>
</table>
KERN & SOHN GmbH
Balances, Test weights, Microscopes,
DAkkS 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.

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).

2012

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 for KERN
25 years of accredited DKD laboratory
175 years of KERN & SOHN
250 years of balance manufacture in the Sauter family-owned company.

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