



NEW



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.)

**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**, standard, can be re-ordered, scope of delivery: 5 items, KERN FCF-A01S05
- **Rechargeable battery pack external**, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04

STANDARD











































OPTION



| Model     | Weighing range<br>[Max]<br>kg | Readout<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Smallest part weight<br>[counting]<br>g/piece | Option                    |  |
|-----------|-------------------------------|---------------------|----------------------|----------------|---|---------------------------|--|
|           |                               |                     |                      |                |   | DAkkS Calibr. Certificate |  |
| KERN      |                               |                     |                      |                |   | <b>DKD</b><br>KERN        |  |
| FCF 3K-4  | 3                             | 0,1                 | 0,1                  | ± 0,3          | 0,2   | 963-127                   |  |
| FCF 30K-3 | 30                            | 1                   | 1                    | ± 3            | 2   | 963-128                   |  |

# KERN Pictograms:

|  |  |   |
|--|--|---|
|  <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).                             |  <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.  |  <b>Rechargeable battery pack:</b> Rechargeable set.   |
|  <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.                               |  <b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).  |  <b>Universal mains adapter:</b> with universal input and optional input socket adapters for<br>A) EU, GB<br>B) EU, GB, CH, USA<br>C) EU, GB, CH, USA, AUS |
|  <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.  |  <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.   |  <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.  |
|  <b>Alibi memory:</b> Electronic archiving of weighing results, complying with the 2014/31/EU standard.  |  <b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition. |  <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.   |
|  <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.   |  <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.  |  <b>Weighing principle: Strain gauge</b><br>Electrical resistor on an elastic deforming body.  |
|  <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance. |  <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).   |  <b>Weighing principle: Tuning fork</b><br>A resonating body is electromagnetically excited, causing it to oscillate.                                      |
|  <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.  |  <b>Weighing units:</b> Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.   |  <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings.                            |
|  <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.                                      |  <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.   |  <b>Weighing principle: Single cell technology</b><br>Advanced version of the force compensation principle with the highest level of precision.            |
|  <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.   |  <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.  |  <b>Verification possible:</b><br>The time required for verification is specified in the pictogram.   |
|  <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.  |  <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram.  |  <b>DAkKS calibration possible (DKD):</b> The time required for DAkKS calibration is shown in days in the pictogram.                                     |
|  <b>Interface for second balance:</b> For direct connection of a second balance.   |  <b>ATEX explosion protection:</b> Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.  |  <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.  |
|  <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.   |  <b>Stainless steel:</b> The balance is protected against corrosion.  |  <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.   |
|  <b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module.                            |  <b>Suspended weighing:</b> Load support with hook on the underside of the balance.   |  <b>Warranty:</b> The warranty period is shown in the pictogram.   |
|  <b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.                                       |  <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.  |   |
|  <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers.  |  |   |

## KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2500 kg. In combination with a DAkKS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkKS calibration laboratory today is one of the most modern and best-equipped DAkKS calibration laboratories for balances, test weights and force-measurement in Europe.

Thanks to the high level of automation, we can carry out DAkKS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

### Range of services:

- DAkKS calibration of balances with a maximum load of up to 50 t
- DAkKS calibration of weights in the range of 1 mg – 2500 kg
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkKS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

## Your KERN specialist dealer: