

Counting scale KERN CXB



Note: Official verification duty for commercial trade

Entry level model into professional counting, also with EC type approval [M], counting resolution of 30,000 points

Features

- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- **Three displays** for weight display (verifiable), reference weight, total weight
- **Audible Fill-to-target:** target quantity or target weight can be programmed. When the target value is reached, a signal will sound
- **Counting results memory:** adds up all individual piece counts, result is shown in total weight and total pieces

- **Energy management:** Backlight turns off after 5 sec
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Two balances in one:** Changes from counting mode to weighing mode at the touch of a key

- Rechargeable battery pack internal, operating time up to 200 h without backlight, charging time approx. 8 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature -10 °C/40 °C

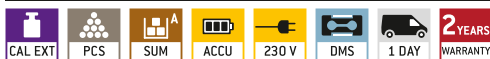
Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 300x225 mm
- Dimensions housing WxDxH 300x330x110 mm

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN CXB-A01S05
- **Rechargeable battery pack internal**, operating time up to 200 h without backlight, charging time approx. 8 h, KERN GAB-A04

STANDARD



OPTION











































FACTORY



| Model | Weighing range [Max] kg | Readout [d] g | Verification value [e] g | Minimal load [Min] g | Smallest part weight [counting] g/piece | Counting resolution Points | Options | | | |
|---|-------------------------|---------------|--------------------------|----------------------|---|----------------------------|--------------|--|---------------------------|--|
| | | | | | | | Verification | | DAkkS Calibr. Certificate | |
| KERN | | | | | | | M KERN | | DKD KERN | |
| CXB 3K0.2 | 3 | 0,2 | - | - | 0,1 | 30.000 | - | | 963-127 | |
| CXB 6K0.5 | 6 | 0,5 | - | - | 0,2 | 30.000 | - | | 963-128 | |
| CXB 15K1 | 15 | 1 | - | - | 0,5 | 30.000 | - | | 963-128 | |
| CXB 30K2 | 30 | 2 | - | - | 1 | 30.000 | - | | 963-128 | |
| 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. | | | | | | | | | | |
| CXB 3K1NM | 3 | 1 | 1 | 20 | 0,1 | 30.000 | 965-227 | | 963-127 | |
| CXB 6K2NM | 6 | 2 | 2 | 40 | 0,2 | 30.000 | 965-228 | | 963-128 | |
| CXB 15K5NM | 15 | 5 | 5 | 100 | 0,5 | 30.000 | 965-228 | | 963-128 | |
| CXB 30K10NM | 30 | 10 | 10 | 200 | 1 | 30.000 | 965-228 | | 963-128 | |

KERN Pictograms:

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

EGITRON

Rua Central da Vergada, 1280
4535-166 MOZELOS VFR - PORTUGAL
Tel.: (+351) 227 471 120 - Fax: (+351) 227 471 129
info@egitron.pt - www.egitron.pt