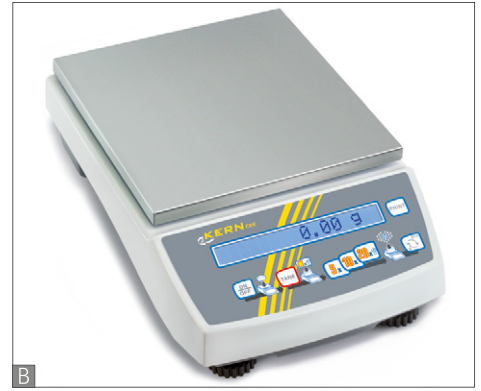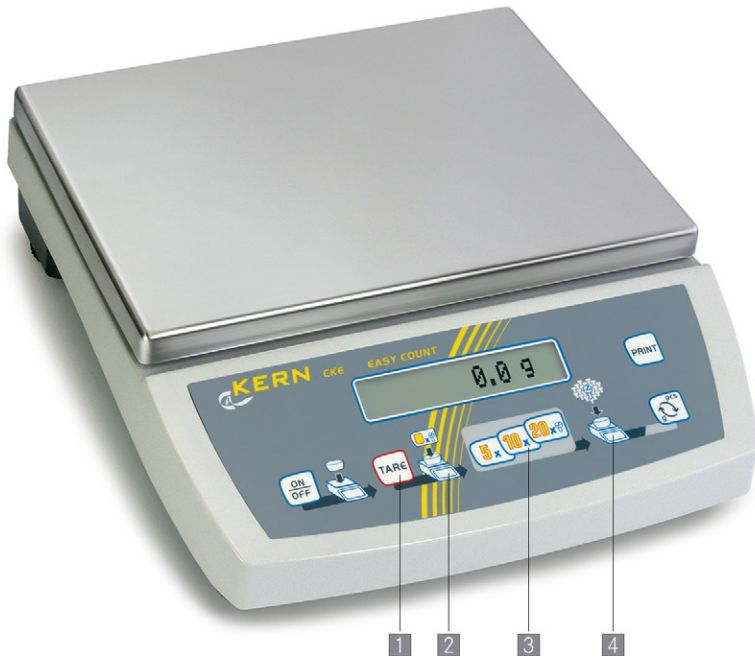# Counting scale KERN CKE

B

Easy to use, self-explanatory counting scale with laboratory accuracy, counting resolution up to 360,000 points

Features

- **Self-explanatory graphic control panel**, even without operating instructions, the counting process can be understood immediately.
  - no learning time = reduces costs
  - ideal for untrained users
  - visualised process means that operating errors are avoided
- The 4 steps are carried out from left to right:
  [1] Place the empty container onto the weighing plate and tare by pressing the TARE key
  [2] Place the reference quantity for the goods to be counted into the container (5, 10, or 20 pieces)
  [3] Confirm the selected reference quantity by pressing the key (5, 10 or 20)
  [4] Pour in the goods to be counted.

The number of pieces will immediately be shown on the display

- **Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight
- **Two balances in one:** Switching from counting mode to weighing mode at the touch of a button

Technical data

- Large backlit LCD display
  [A], [B] digit height 9 mm
  [C] digit height 18 mm
- Dimensions of weighing plate (stainless steel*)
  [A] Ø 81 mm
  [B] WxD 150x170 mm*
  [C] WxD 340x240 mm*, see larger picture

- Overall dimensions WxDxH
  [A], [B] 167x250x85 mm
  [C] 350x390x120 mm
- Optional battery operation for models with weighing plate sizes [C], batteries 6 x 1.5 V Size C not standard, operating time up to 40 h
- Net weight for models with weighing plate sizes
  [A] approx. 1 kg
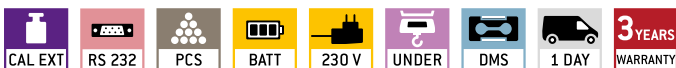 [B] approx. 1,4 kg
  [C] approx. 6,5 kg
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over keyboard and housing standard, can be reordered, for models with weighing plate sizes
  [A] KERN PCB-A02
  [B] KERN PCB-A05
  [C] KERN FKB-A02
- **Rechargeable battery pack external**, operating time up to 25 h, charging time approx. 10 h, KERN KS-A01
- **Rechargeable battery pack internal** only for models with weighing plate sizes [A] and [B], operating time up to 50 h without backlight, charging time approx. 10 h, can be reordered, KERN KB-A01N
- **Suitable printers** see page 138

STANDARD | OPTION

| CAL EXT | RS 232 | PCS | BATT | 230 V | UNDER | DMS | 1 DAY | 3 YEARS WARRANTY | ACCU | DKD +3 DAYS |

Model KERN	Weighing range [Max] kg	Read-out [d] g	Min. piece weight [Counting] g/piece	Counting resolution Points	Weighing plate	Option DKD Calibr. Certificate DKD KERN	
CKE 360-3 ■	0,36	0,001	0,001	360.000	A	963-127	
CKE 2000-2	2	0,01	0,01	200.000	B	963-127	
CKE 3600-2	3,6	0,01	0,01	360.000	B	963-127	
CKE 6K0.02	6	0,02	0,02	300.000	C	963-128	
CKE 8K0.05	8	0,05	0,05	160.000	C	963-128	
CKE 16K0.05	16	0,05	0,05	320.000	C	963-128	
CKE 16K0.1	16	0,1	0,1	160.000	C	963-128	
CKE 36K0.1	36	0,1	0,1	360.000	C	963-128	
CKE 65K0.2	65	0,2	0,2	325.000	C	963-129	
CKE 65K0.5	65	0,5	0,5	130.000	C	963-129	

■ New model

KERN Pictograms

Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).

Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.

Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.

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 peripheral devices. High tolerance against electromagnetic disturbance.

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

Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.

Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.

Interface for second balance: for direct connection of a second balance.

Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.

GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.

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

Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays.

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.

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

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 with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.

Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.

Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.

Stainless steel: the balance is protected against corrosion.

Suspended weighing: load support with hook on the underside of the balance.

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

Rechargeable battery pack: rechargeable set.

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

Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.

Strain gauges: Electrical resistor on an elastic deforming body.

Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.

Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.

Single cell technology: Advanced version of the force compensation principle with the highest level of precision.

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

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

Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.

Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of ist accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.
(DKD = German Calibration Service)

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

Range of services:
- DKD calibration of balances with a maximum load of up to 6 t
- DKD calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DKD calibration certificates in the following languages D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: