

## PRODUCT BROCHURE

# KERN CIB 3K-4

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ENGLISH



Robust counting scale with large article memory, convenient operating philosophy and checkweighing display, counting resolution up to 30,000 points

## CONTACT

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## PRODUCT SHOWCASE



## DESCRIPTION

- Precise, intuitive to use and digital – with our counting scales you can accelerate your annual stock taking processes and thus save time and money
- Innovative counting with tolerance range (Checkweighing): The counting process can be supported visually and/or audibly and this therefore makes portion division, dispensing and grading easier
  - visual signal: the colour of the display changes depending on the counting result (not enough/ok/too much)
  - audible signal: the frequency of the audible signal changes depending on the counting result (not enough/ok/too much)
- Ideal for workshops for people with disabilities, particularly loud or quiet environments, where operators change frequently, etc.
- Three displays for weight display, reference weight, total pieces
- 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

- Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- 20 direct price keys for frequently recurring reference weights and PRE-Tare values
- Memory for 50 reference weights and PRE-Tare values
- High mobility: thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations
- Two balances in one: Changes from counting mode to weighing mode at the touch of a key
- Energy management: Backlight turns off after 5 sec, can be switched off
- Protective working cover included with delivery

## SPECIFICATIONS

### Article codes, product groups & Status information

|                       |                   |
|-----------------------|-------------------|
| Model article-code    | CIB 3K-4          |
| Model-Serie           | CIB               |
| Assortment            | KERN              |
| Product Type          | Industrial scales |
| Product group         | Counting scales   |
| Product usage type    | Main article      |
| EAN code (Model)      | 404576 12 14880   |
| Customs tariff number | 84238 129         |
| CE Label              | yes               |

### Technical data - Primary

|                      |            |
|----------------------|------------|
| Weighing capacity    | 3 kg       |
| Readability          | 0.0002 kg  |
| Counting resolution  | 30000      |
| Minimum piece weight | 1 g        |
| Net weight           | 3.517 kg   |
| Platform size        | 315×215 mm |

### Technical data - Construction

|                                    |                 |
|------------------------------------|-----------------|
| Casing material                    | plastic         |
| Dimension housing (W×D×H)          | 350×330×120 mm  |
| Material weighing plate            | stainless steel |
| Bubble Level                       | yes             |
| Revolving screw feet               | yes             |
| Weighing surface (d)               | 315×215 mm      |
| Dimensions of weighing plate (W×D) | 315×215 mm      |
| IP protection load cell            | IP65            |

### Technical data - Display

|                |                          |
|----------------|--------------------------|
| Display height | 18 mm                    |
| Backlight      | blue, yellow, green, red |

### Technical data - Power supply

|                                |            |
|--------------------------------|------------|
| Mains adapter/adaptor included | CH;EURO;UK |
| Charging time                  | 14 h       |

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Input Voltage                     | 100V-240V AC 50/60Hz<br>0.4 Amax |
| Operating time<br>(Backlight off) | 160 h                            |

## Technical data - Measuring system

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Calibration method                             | Adjusting with external weight |
| Linearity                                      | ± 0.0006 kg                    |
| Readability                                    | 0.0002 kg                      |
| Recommended adjusting weight                   | 3 kg (M1)                      |
| Repeatability                                  | 0.0002 kg                      |
| Resolution                                     | 15.000                         |
| Stabilisation time under laboratory conditions | 2 s                            |
| Tare range                                     | 3 kg                           |
| Warm up time                                   | 30 min                         |
| Weighing system                                | Strain gauge                   |
| Weighing units                                 | kg                             |

## Technical data - Environmental conditions

|                               |        |
|-------------------------------|--------|
| Maximum humidity              | 85 %   |
| Maximum operating temperature | 40 °C  |
| Minimum ambient temperature   | -10 °C |
| Minimum humidity              | 15 %   |

## Technical data - Packing & Shipping

|                                 |                |
|---------------------------------|----------------|
| Dimensions packaging<br>(W×D×H) | 400×385×146 mm |
| Gross weight                    | 4.2 kg         |

|                                                |                |
|------------------------------------------------|----------------|
| Net weight                                     | 3.6 kg         |
| Shipping method                                | Parcel service |
| UN number                                      | 2800           |
| Packaging component -<br>by weight - cardboard | 301 g          |
| Packaging component -<br>by weight - plastics  | 301 g          |
| Delivery time                                  | 1 d            |

## Technical data - Counting data

|                                                           |        |
|-----------------------------------------------------------|--------|
| Counting resolution                                       | 30000  |
| Minimum piece weight at<br>piece counting<br>(Laboratory) | 100 mg |
| Minimum piece weight                                      | 1 g    |

## Optional Services

|                   |         |
|-------------------|---------|
| DAkkS Calibration | 963-127 |
|-------------------|---------|

## FUNCTIONS

|                                                                                                      |                                                                                            |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Standard                                                                                             |                                                                                            |
|  CAL EXT          |  MEMORY |
|  PCS             |  SUM  |
|  TOL            |  ACCU |
|  MULTI          |  DMS  |
|  1 DAY            |                                                                                            |
| Option                                                                                               |                                                                                            |
|  DAkkS<br>+3 DAYS |                                                                                            |

## ACCESSORIES

| Model   | Description                                     |
|---------|-------------------------------------------------|
| GAB-A04 | Internal Rechargeable Battery Pack KERN GAB-A04 |
| RIB-A01 | Protective Working Cover KERN RIB-A01           |
| YKA-20  | Power Adapter KERN YKA-20                       |

## SERVICES

| Model   | Description                                                                                                      |
|---------|------------------------------------------------------------------------------------------------------------------|
| 963-127 | DAkkS Calibration KERN 963-127                                                                                   |
| 961-247 | Adjustment at the location of installation 961-247                                                               |
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517 |
| 970-014 | Warranty extension KERN (+3 years) 970-014                                                                       |

## SPARE PARTS

| Model     | Description                              |
|-----------|------------------------------------------|
| RRIB-3001 | LCD Display RRIB-3001                    |
| RRIB-5001 | Power socket RRIB-5001                   |
| RRIB-6001 | Weighing plate KERN RRIB-6001            |
| RRIB-6002 | Weighingplate carrier KERN RRIB-6002     |
| RRIB-8001 | Adjustable base foot RRIB-8001           |
| RRIB-8003 | Level bubble RRIB-8003                   |
| RRIB-9001 | Dust protection ring, set KERN RRIB-9001 |
| YKA-20    | Power Adapter KERN YKA-20                |

## RELATED ARTICLES DATA

| Model name | Weighing capacity | Readability | Counting resolution | Minimum piece weight | Net weight | Platform size |
|------------|-------------------|-------------|---------------------|----------------------|------------|---------------|
| CIB 10K-3  | 15 kg             | 0.001 kg    | 30000               | 5 g                  | 3.99 kg    | 315×215 mm    |
| CIB 30K-3  | 30 kg             | 0.002 kg    | 30000               | 10 g                 | 3.55 kg    | 315×215 mm    |
| CIB 3K-4   | 3 kg              | 0.0002 kg   | 30000               | 1 g                  | 3.517 kg   | 315×215 mm    |
| CIB 6K-4   | 6 kg              | 0.0005 kg   | 30000               | 2 g                  | 3.55 kg    | 315×215 mm    |