















## BENCH SCALES

PROFESSIONAL  
MEASURING



# 2020

# KERN Pictograms

|  |   |   |
|--|---|---|
|  <b>Internal adjusting:</b><br>Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)  |  <b>KERN Communication Protocol (KCP):</b><br>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 |  <b>Protection against dust and water splashes IPxx:</b><br>The type of protection is shown in the pictogram. For details see page 62                              |
|  <b>Adjusting program CAL:</b><br>For quick setting up of the balance's accuracy. External adjusting weight required   |  <b>GLP/ISO log:</b><br>The balance displays serial number, user ID, weight, date and time, regardless of a printer connection   |  <b>Stainless steel:</b><br>The balance is protected against corrosion  |
|  <b>Easy Touch:</b><br>Suitable for the connection, data transmission and control through PC, tablet or smartphone   |  <b>GLP/ISO log:</b><br>With weight, date and time. Only with KERN printers, see page 171-173  |  <b>Suspended weighing:</b><br>Load support with hook on the underside of the balance   |
|  <b>Memory:</b><br>Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.   |  <b>Piece counting:</b><br>Reference quantities selectable. Display can be switched from piece to weight   |  <b>Battery operation:</b><br>Ready for battery operation. The battery type is specified for each device  |
|  <b>Alibi memory:</b><br>Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard. For details see page 223  |  <b>Recipe level A:</b><br>The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out   |  <b>Rechargeable battery pack:</b><br>Rechargeable set  |
|  <b>Data interface RS-232:</b><br>To connect the balance to a printer, PC or network   |  <b>Recipe level B:</b><br>Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display  |  <b>Universal mains adapter:</b><br>with universal input and optional input socket adapters for<br>A) EU, CH, GB<br>B) EU, CH, GB, USA<br>C) EU, CH, GB, USA, AUS |
|  <b>RS-485 data interface:</b><br>To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible |  <b>Recipe level C:</b><br>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>Mains adapter:</b><br>230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available   |
|  <b>USB data interface:</b><br>To connect the balance to a printer, PC or other peripherals  |  <b>Totalising level A:</b><br>The weights of similar items can be added together and the total can be printed out   |  <b>Power supply:</b><br>Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request  |
|  <b>Bluetooth* data interface:</b><br>To transfer data from the balance to a printer, PC or other peripherals  |  <b>Percentage determination:</b><br>Determining the deviation in % from the target value (100 %)  |  <b>Weighing principle: Strain gauges</b><br>Electrical resistor on an elastic deforming body   |
|  <b>WLAN data interface:</b><br>To transfer data from the balance to a printer, PC or other peripherals  |  <b>Control outputs (optocoupler, digital I/O):</b><br>To connect relays, signal lamps, valves, etc.   |  <b>Weighing principle: Tuning fork</b><br>A resonating body is electromagnetically excited, causing it to oscillate  |
|  <b>Analogue interface:</b><br>to connect a suitable peripheral device for analogue processing of the measurements   |  <b>Weighing units:</b><br>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   |  <b>Weighing principle: Electromagnetic force compensation</b><br>Coil inside a permanent magnet. For the most accurate weighings                               |
|  <b>Interface for second balance:</b><br>For direct connection of a second balance   |  <b>Weighing with tolerance range:</b><br>(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  |  <b>Weighing principle: Single cell technology:</b><br>Advanced version of the force compensation principle with the highest level of precision                 |
|  <b>Network interface:</b><br>For connecting the scale to an Ethernet network  |  <b>Hold function:</b><br>(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>Wireless data transfer:</b><br>between the weighing unit and the evaluation unit using an integrated radio module  |  <b>Package shipment:</b><br>The time required for internal shipping preparations is shown in days in the pictogram  |  <b>DAkkS calibration possible (DKD):</b><br>The time required for DAkkS calibration is shown in days in the pictogram  |
|  |  <b>Pallet shipment:</b><br>The time required for internal shipping preparations is shown in days in the pictogram   |   |

# KERN – measuring technology and testing services from a single source



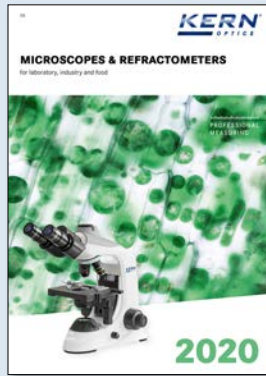
## Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services such as verification, calibration, etc.



## Medical scales catalogue

Complete line of medical scales, from infant scales to patient scales, chair scales and adiposity scales, as well as hand grip dynamometers, chemist's balances and veterinary scales.



## Microscopes & refractometers catalogue

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.



## SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.



## DAkkS calibration service brochure

Detailed information on topics pertaining to the calibration and verification of balances, test weights, and force measuring devices.

## 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/EWG

### versatile

- One-stop shopping: from pocket balances through to 15 t crane balance – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at [www.kern-sohn.com](http://www.kern-sohn.com)



**Order hotline**  
+49 7433 9933-0



**Online Shop**  
[www.kern-sohn.com](http://www.kern-sohn.com)



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**E-mail order**  
[info@kern-sohn.com](mailto:info@kern-sohn.com)



**Calibration hotline**  
+49 7433 9933-196



**Fax order**  
+49 7433 9933-146



**Our team of consultants will assist you**  
from Monday to Friday  
from 8:00 am to 6:00 pm



### [www.kern-sohn.com](http://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.

## Bench scales

### Compact industrial weighing technology

Thanks to their compact dimensions, low weight, robust internal mechanism and the fact that they can be operated independent of mains power, bench scales can be used not only in a stationary situation, but also as mobile scales.

With weighing ranges between 3 kg and 65 kg, bench scales can cover a wide range of applications. Whether as a commissioning scale in the warehouse, for inventory purposes, on a production work station, in quality control, in small workshops, in service cars or in sales offices, bench scales are the first choice.

Durable stainless steel weighing plates, easy to read backlit displays, useful functions such as piece counting, PRE-TARE – subtraction of a known container weight, or ► **interfaces** to PC and printer, all these support the users in their daily work.

► **Dual range** scales cover a particularly wide range of applications. With these scales, the total weighing range is divided into 2 subranges and begins with a high resolution read-out in the fine weighing range. If this range is exceeded the balance automatically switches to the higher weighing range with the lower resolution read-out.

All KERN bench scales have an adjustment program (CAL) to adjust the accuracy. In this way, the high level of accuracy is guaranteed at all times, even during harsh everyday use. Find the right test weights for you, see page 184.

### Touchscreen balances

The newest development for an even greater level of user-friendliness is the intuitive touchscreen operation, which is being integrated into new KERN models, see page 58/59 (FKT), 108/109 (IKT).

**NOTE:** a high-quality touchscreen bench scale range (KERN GAT, page 60/61) and touchscreen platform scale range (KERN IFT, page 110/111). Thanks to the intuitive touchscreen concept and multi-lingual operation (DE, GB, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balances can be used easily by inexperienced users, straightaway. For the professional user, the balances also provide convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker. Through a large memory, e.g. for item master data, weighing data etc. the balances are the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation. Thanks to the high level of connectivity it is easy to connect barcode readers for item recognition, USB sticks for data storage or data transfer to PCs and networks using RS 232 or USB and this means that this range can be used for many different functions in Industry 4.0 applications.

► **See the glossary on page 223–225**

### Sebastian Hipp

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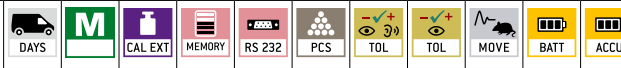
- ▷ Simple and convenient 5-key operation
- ▷ Very fast display
- ▷ High mobility



only €  
**185,-**

# HIGHLIGHT

# Quick-Finder Bench scales

| Readability<br>[d]<br>g | Weighing capacity<br>[Max]<br>kg | Weighing plate<br>W×D<br>mm | Model<br><br>KERN | Price<br>excl. of VAT<br>ex works<br>€ | Page |  |   |   |   |   |   |   |  |  |  |  |  |   |
|-------------------------|----------------------------------|-----------------------------|-------------------|--|------|--|---|---|---|---|---|---|--|--|--|--|--|---|
|                         |                                  |                             |                   |  |      | For an explanation on the pictos, see front flap                                   |   |   |   |   |   |   |  |  |  |  |  |   |
| 0,02                    | 6                                | 340×240                     | FKB 6K0.02        | 520,-                                  | 57   | 1  |   | ● |   |   |   |   |  |  |  |  |  |   |
| 0,02                    | 6                                | 340×240                     | FKT 6K0.02L       | 880,-                                  | 59   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,05                    | 6                                | 294×225                     | GAB 6K0.05N       | 295,-                                  | 56   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,05                    | 8                                | 340×240                     | FKB 8K0.05        | 480,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,05                    | 16                               | 340×240                     | FKB 16K0.05       | 580,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,05                    | 16                               | 340×240                     | FKT 16K0.05L      | 880,-                                  | 59   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 3                                | 253×227                     | FCF 3K-4          | 185,-                                  | 53   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 0,1                     | 3                                | 253×227                     | FCB 3K0.1         | 215,-                                  | 54   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 8                                | 253×227                     | FCB 8K0.1         | 240,-                                  | 54   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 8                                | 340×240                     | FKB 8K0.1A        | 300,-                                  | 55   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 12                               | 294×225                     | GAB 12K0.1N       | 295,-                                  | 56   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 16                               | 340×240                     | FKB 16K0.1        | 480,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 36                               | 340×240                     | FKB 36K0.1        | 550,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,1                     | 36                               | 340×240                     | FKT 36K0.1L       | 880,-                                  | 59   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,2                     | 6                                | 300×225                     | GAT 6K-4          | 750,-                                  | 60   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,2                     | 30                               | 294×225                     | GAB 30K0.2N       | 295,-                                  | 56   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,2                     | 36                               | 340×240                     | FKB 36K0.2        | 510,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,2                     | 65                               | 340×240                     | FKB 65K0.2        | 550,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,2                     | 65                               | 340×240                     | FKT 65K0.2L       | 880,-                                  | 59   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,5                     | 6                                | 253×227                     | FCB 6K0.5         | 195,-                                  | 54   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,5                     | 15                               | 340×240                     | FKB 15K0.5A       | 290,-                                  | 55   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 0,5                     | 15                               | 300×225                     | GAT 10K-4         | 750,-                                  | 60   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,5                     | 30                               | 340×240                     | FKT 30K0.5L       | 780,-                                  | 59   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 0,5                     | 65                               | 340×240                     | FKB 65K0.5        | 510,-                                  | 57   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 3                                | 252×228                     | FCE 3K1N          | 110,-                                  | 52   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 1                       | 6                                | 340×240                     | FKT 6K1LM         | 880,-                                  | 59   | 1  | ○ | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 12                               | 253×227                     | FCB 12K1          | 185,-                                  | 54   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 15                               | 340×240                     | FKB 15K1A         | 260,-                                  | 55   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 30                               | 253×227                     | FCF 30K-3         | 185,-                                  | 53   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 1                       | 30                               | 253×227                     | FCB 30K1          | 220,-                                  | 54   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 30                               | 340×240                     | FKB 30K1A         | 300,-                                  | 55   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 30                               | 300×225                     | GAT 30K-3         | 750,-                                  | 60   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 60                               | 340×240                     | FKT 60K1L         | 780,-                                  | 59   | 1  |   | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 1                       | 65                               | 340×240                     | FKB 65K1A         | 320,-                                  | 55   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 1   2                   | 3   6                            | 295×225                     | GAB 6K1DNM        | 225,-                                  | 56   | 1  | ○ | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 2                       | 6                                | 252×228                     | FCE 6K2N          | 110,-                                  | 52   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 2                       | 12                               | 340×240                     | FKT 12K2LM        | 880,-                                  | 59   | 1  | ○ | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 2                       | 24                               | 253×227                     | FCB 24K2          | 185,-                                  | 54   | 1  |   | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 2   5                   | 6   15                           | 300×230                     | GAB 15K2DNM       | 225,-                                  | 56   | 1  | ○ | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 5                       | 10                               | 320×260                     | ECE 10K-3N        | 95,-                                   | 51   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 5                       | 10                               | 320×260                     | ECB 10K-3N        | 110,-                                  | 51   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 5                       | 15                               | 252×228                     | FCE 15K5N         | 110,-                                  | 52   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 5                       | 30                               | 340×240                     | FKT 30K5LM        | 880,-                                  | 59   | 1  | ○ | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 5   10                  | 15   30                          | 294×225                     | GAB 30K5DNM       | 225,-                                  | 56   | 1  | ○ | ● |   | ● | ● | ● |  |  |  |  |  | ○ |
| 10                      | 20                               | 320×260                     | ECE 20K-2N        | 95,-                                   | 51   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 10                      | 20                               | 320×260                     | ECB 20K-2N        | 110,-                                  | 51   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 10                      | 30                               | 252×228                     | FCE 30K10N        | 110,-                                  | 52   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 10                      | 60                               | 340×240                     | FKT 60K10LM       | 880,-                                  | 59   | 1  | ○ | ● | ● | ● | ● | ● |  |  |  |  |  | ○ |
| 20                      | 50                               | 320×260                     | ECE 50K-2N        | 95,-                                   | 51   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |
| 20                      | 50                               | 320×260                     | ECB 50K-2N        | 110,-                                  | 51   | 1  |   | ● |   |   |   |   |  |  |  |  |  | ○ |

● = standard ○ = option



## Plain, mobile, uncomplicated

### Features

- **High mobility:** Battery operation, compact, lightweight construction, recessed grips on the underside and low weight make this balance ideal for use in several locations
- Particularly large weighing plate
- **Very fast display:** steady weight values within 2 s
- **Simple and convenient 2-key operation**

### Technical data

- KERN ECB-N: Large backlit LCD display, digit height 21 mm
- KERN ECE-N: Large LCD display, digit height 21 mm
- Dimensions weighing surface W×D 320×260 mm
- Weighing plate material
  - KERN ECE-N: plastic
  - KERN ECB-N: stainless steel, see larger picture
- Overall dimensions W×D×H 320×300×60 mm
- Optional battery operation, 6×1.5 V AA, standard, operating time up to 100 h, AUTO-OFF function to preserve the battery
- Net weight
  - KERN ECE-N: approx. 1,6 kg
  - KERN ECB-N: approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

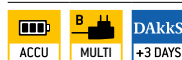
### Accessories

- **Rechargeable battery pack internal,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN PCB-A01, **€ 75,-**
- **Rechargeable battery pack external,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **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,-**
- **External universal mains adapter,** with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, **€ 32,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



#### OPTION



| Model      | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Price<br>excl. of VAT<br>ex works<br>€ | Option<br>DAKkS Calibr. Certificate |      |
|------------|----------------------------------|-------------------------|----------------------|----------------|--|-------------------------------------|------|
|            |                                  |                         |                      |                |  | DAKkS<br>KERN                       | €    |
| KERN       |                                  |                         |                      |                |  |                                     |      |
| ECE 10K-3N | 10                               | 5                       | 5                    | ± 20           | <b>95,-</b>                            | 963-128                             | 88,- |
| ECE 20K-2N | 20                               | 10                      | 10                   | ± 40           | <b>95,-</b>                            | 963-128                             | 88,- |
| ECE 50K-2N | 50                               | 20                      | 20                   | ± 80           | <b>95,-</b>                            | 963-128                             | 88,- |
| ECB 10K-3N | 10                               | 5                       | 5                    | ± 20           | <b>110,-</b> ↓                         | 963-128                             | 88,- |
| ECB 20K-2N | 20                               | 10                      | 10                   | ± 40           | <b>110,-</b> ↓                         | 963-128                             | 88,- |
| ECB 50K-2N | 50                               | 20                      | 20                   | ± 80           | <b>110,-</b> ↓                         | 963-128                             | 88,- |

↓ Price reduction



05

Entry-level bench scale – mobile, practical, lightweight

Features

- **Simple and convenient 2-key operation**
- **Very fast display:** steady weight values within 3 s
- **1** Ideal as a compact letter and parcel scale, especially where space is limited
- **2** Ideal as a grading, commissioning or simple checkweighing scale in production or dispatch
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface, plastic, W×D 252×228 mm
- Overall dimensions W×D×H 270×323×110 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCB-A02S05, € 40,-
- **Stainless steel weighing plate**, robust, removable, for easy cleaning, KERN FCE-A01, € 35,-
- **Rechargeable battery pack internal**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, € 50,-

|          |      |       |     |       |        |               |
|----------|------|-------|-----|-------|--------|---------------|
| STANDARD |      |       |     |       | OPTION |               |
|          |      |       |     |       |        |               |
| CAL EXT  | BATT | MULTI | DMS | 1 DAY | ACCU   | DAkKS +3 DAYS |

| Model      | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Price<br>excl. of VAT<br>ex works<br>€ | Option<br>DAkKS Calibr. Certificate |      |
|------------|----------------------------------|-------------------------|----------------------|----------------|--|-------------------------------------|------|
|            |                                  |                         |                      |                |  | DAkKS<br>KERN                       | €    |
| FCE 3K1N   | 3                                | 1                       | 2                    | ± 3            | 110,-                                  | 963-127                             | 72,- |
| FCE 6K2N   | 6                                | 2                       | 2                    | ± 4            | 110,-                                  | 963-128                             | 88,- |
| FCE 15K5N  | 15                               | 5                       | 10                   | ± 15           | 110,-                                  | 963-128                             | 88,- |
| FCE 30K10N | 30                               | 10                      | 10                   | ± 30           | 110,-                                  | 963-128                             | 88,- |



Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry, gastronomy and kitchen

**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, WxD 253x228 mm
- Overall dimensions WxDxH 270x345x106 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, 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

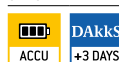
**Accessories**

- **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,-**

STANDARD



OPTION



| Model          | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Smallest part weight<br>[Normal]<br>g/piece | Price<br>excl. of VAT<br>ex works<br>€ | Option        |                                |
|----------------|----------------------------------|-------------------------|----------------------|----------------|---|--|---------------|--------------------------------|
|                |                                  |                         |                      |                |   |  | DAkkS<br>KERN | DAkkS Calibr. Certificate<br>€ |
| KERN FCF 3K-4  | 3                                | 0,1                     | 0,1                  | ± 0,3          | 2   | 185,-                                  | 963-127       | 72,-                           |
| KERN FCF 30K-3 | 30                               | 1                       | 1                    | ± 3            | 20  | 185,-                                  | 963-128       | 88,-                           |





05

Bench scale with second display on the backside of the scale

Features

- **1 Second display** on the rear of the balance
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **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.)
- **Data interface RS-232** standard
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 253x227 mm
- Overall dimensions WxDxH 270x323x110 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Net weight approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCB-A02S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 12 h without backlight, charging time approx. 10 h, KERN FCB-A01, € 50,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT | RS 232 | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | MULTI | DMS | 1 DAY

OPTION

ACCU | DAKkS +3 DAYS

| Model     | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Smallest part weight<br>[Normal]<br>g/piece | Price<br>excl. of VAT<br>ex works<br>€ | Option        |                                |
|-----------|----------------------------------|-------------------------|----------------------|----------------|---|--|---------------|--------------------------------|
|           |                                  |                         |                      |                |   |  | DAKkS<br>KERN | DAKkS Calibr. Certificate<br>€ |
| FCB 3K0.1 | 3                                | 0,1                     | 0,1                  | ± 0,3          | 2   | 215,-                                  | 963-127       | 72,-                           |
| FCB 8K0.1 | 8                                | 0,1                     | 0,1                  | ± 0,3          | 2   | 240,-                                  | 963-128       | 88,-                           |
| FCB 6K0.5 | 6                                | 0,5                     | 0,5                  | ± 1,5          | 10  | 195,-                                  | 963-128       | 88,-                           |
| FCB 12K1  | 12                               | 1                       | 1                    | ± 3            | 20  | 185,-                                  | 963-128       | 88,-                           |
| FCB 30K1  | 30                               | 1                       | 1                    | ± 3            | 20  | 220,-                                  | 963-128       | 88,-                           |
| FCB 24K2  | 24                               | 2                       | 2                    | ± 6            | 40  | 185,-                                  | 963-128       | 88,-                           |

Price reduction



## Bench scale up to 65 kg with large weighing plate

### Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Particularly practical:** thanks to the large weighing capacities and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- Large, robust weighing plate made of stainless steel, removable for easy cleaning
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m<sup>2</sup>, or else
- **Protective working cover** included with delivery

### Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 340x240 mm
- Overall dimensions WxDxH 350x390x120 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Net weight approx. 6 kg
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 10 h without backlight, charging time approx. 10 h, KERN PCB-A01, € 75,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



#### OPTION



| Model       | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Smallest part weight<br>[Normal]<br>g/piece | Price<br>excl. of VAT<br>ex works<br>€ | Option        |                                |
|-------------|----------------------------------|-------------------------|----------------------|----------------|---|--|---------------|--------------------------------|
|             |                                  |                         |                      |                |   |  | DAkKS<br>KERN | DAkKS Calibr. Certificate<br>€ |
| FKB 8K0.1A  | 8                                | 0,1                     | 0,1                  | ± 0,3          | 2   | 300,-                                  | 963-128       | 88,-                           |
| FKB 15K0.5A | 15                               | 0,5                     | 0,5                  | ± 1,5          | 10  | 290,-                                  | 963-128       | 88,-                           |
| FKB 15K1A   | 15                               | 1                       | 1                    | ± 3            | 20  | 260,-                                  | 963-128       | 88,-                           |
| FKB 30K1A   | 30                               | 1                       | 1                    | ± 3            | 20  | 300,-                                  | 963-128       | 88,-                           |
| FKB 65K1A   | 65                               | 1                       | 1                    | ± 3            | 20  | 320,-                                  | 963-129       | 105,-                          |



## 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 WxD 295x225 mm
- Overall dimensions WxDxH 320x345x125 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 and printer, KERN CFS-A04, € 35,-
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, € 55,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

### Application examples

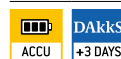
- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portioning of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Mobile weighing of freshly picked fruit on site
- Checkweigher in supermarkets
- High-precision industrial applications, piece counting or stock-taking

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

#### STANDARD



#### OPTION



#### FACTORY



| 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 € | Option       |      |         |             |  |
|---|----------------------------|-------------------|--------------------------|----------------------|---------------------------------------|-------------------------------|--------------|------|---------|-------------|--|
|   |                            |                   |                          |                      |                                       |                               | Verification | €    | DAkkS   | Certificate |  |
| KERN  |                            |                   |                          |                      |                                       |                               |              |      |         |             |  |
| GAB 6K0.05N   | 6                          | 0,05              | -                        | -                    | 0,5                                   | 295,-                         | -            | -    | 963-128 | 88,-        |  |
| GAB 12K0.1N   | 12                         | 0,1               | -                        | -                    | 1                                     | 295,-                         | -            | -    | 963-128 | 88,-        |  |
| GAB 30K0.2N   | 30                         | 0,2               | -                        | -                    | 2                                     | 295,-                         | -            | -    | 963-128 | 88,-        |  |
| 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  | 3   6                      | 1   2             | 1   2                    | 20                   | 2                                     | 225,-                         | 965-228      | 70,- | 963-128 | 88,-        |  |
| GAB 15K2DNM   | 6   15                     | 2   5             | 2   5                    | 40                   | 5                                     | 225,-                         | 965-228      | 70,- | 963-128 | 88,-        |  |
| GAB 30K5DNM   | 15   30                    | 5   10            | 5   10                   | 100                  | 10                                    | 225,-                         | 965-228      | 70,- | 963-128 | 88,-        |  |

\* Verification not in combination with KERN CFS-A05



## Large, high resolution bench scale

### Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- **Housing with robust aluminium diecast housing trough**, maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- **Particularly practical:** thanks to the large weighing capacities and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m<sup>2</sup>, or else

- **Model with resolution > 240.000 Pkt.: Level indicator and levelling feet for precise levelling of the scale**, fitted as standard
- **Protective working cover** included with delivery

### Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 340x240 mm
- Dimensions housing WxDxH, 350x390x120 mm
- Optional battery operation, 6x1.5 V Size C not included in scope of delivery, operating time up to 40 h
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/40 °C

### Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, € 40,-
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, € 160,-
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, € 55,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT   RS 232   PCS   RECIPE   PERCENT   UNIT   MOVE   UNDER   BATT   MULTI   DMS   1 DAY

OPTION

ACCU   DAKKS +3 DAYS

| Model       | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Smallest part weight<br>[Normal]<br>g/piece | Price<br>excl. of VAT<br>ex works<br>€ | Option        |                  |
|-------------|----------------------------------|-------------------------|----------------------|----------------|---|--|---------------|------------------|
|             |                                  |                         |                      |                |   |  | DAkKS<br>KERN | Certificate<br>€ |
| FKB 6K0.02  | 6                                | 0,02                    | 0,04                 | ± 0,1          | 0,2   | 520,-                                  | 963-128       | 88,-             |
| FKB 8K0.05  | 8                                | 0,05                    | 0,05                 | ± 0,15         | 0,5   | 480,-                                  | 963-128       | 88,-             |
| FKB 16K0.05 | 16                               | 0,05                    | 0,1                  | ± 0,25         | 0,5   | 580,-                                  | 963-128       | 88,-             |
| FKB 16K0.1  | 16                               | 0,1                     | 0,1                  | ± 0,3          | 1   | 480,-                                  | 963-128       | 88,-             |
| FKB 36K0.1  | 36                               | 0,1                     | 0,2                  | ± 0,5          | 1   | 550,-                                  | 963-128       | 88,-             |
| FKB 36K0.2  | 36                               | 0,2                     | 0,2                  | ± 0,6          | 2   | 510,-                                  | 963-128       | 88,-             |
| FKB 65K0.2  | 65                               | 0,2                     | 0,4                  | ± 1            | 2   | 550,-                                  | 963-129       | 105,-            |
| FKB 65K0.5  | 65                               | 0,5                     | 0,5                  | ± 1,5          | 5   | 510,-                                  | 963-129       | 105,-            |

**Alibi memory**

- Ring memory for up to 49,152 measuring results (744 measuring results per day!)
- Saved measuring results cannot be changed or cleared. If the maximum memory capacity is reached, then the oldest value will be overwritten
- In addition to the measuring result, the date, time, tare value, a sequential number and the serial number of the balance are also saved
- Saved measuring results can be searched and recalled easily
- The alibi memory can also be used for applications which do not require verification
- Complies with WELMEC 2.5



Touchscreen industrial scale with enormous range of functions, also with EC type approval [M]



**Easy input of text and values**  
Using large keypad, e.g. up to 80 item descriptions, user name, packaging weights for tare containers etc.



**80 memories for each mode**  
e.g. for Checkweighing, PRE-TARE, reference weight, target value when dispensing, item descriptions, user name, weights for tare containers, etc. Easy to enter using the large-scale keypad



**Weighing with tolerance range (checkweighing)**  
Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading

**Features**

- **Convenient recipe weighing:** 99 In recipes with 10 components each can be stored in plain text. There is a function to adjust the other components if the initial weight was too high. The actual values and the desired values well as the proportionate percentages can be printed afterwards.
- **Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- **Rapid function** for shortened stabilisation time with reduced readability
- **16 print forms** which can store up to 20 different information, such as, e.g., date, time, operator, item, net, tare, gross, PCS, target weight, PRE-TARE etc. The print forms can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35 V/80 mA)
- **Protective working cover and hook for underfloor weighing** standard

**Technical data**

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127×74 mm)
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Overall dimensions W×D×H 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included in scope of delivery, operating time up to 20 h
- Permissible ambient temperature 10 °C/40 °C

**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack external**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **RS-232/USB adapter**, to connect peripheral devices with USB connection, KERN AFH 12, **€ 85,-**
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

**Modes**

- ① Weighing
- ② Counting
- ③ Dispensing
- ④ Recipe weighing
- ⑤ Checkweighing
- ⑥ Totalising with daily total
- ⑦ Percentage determination
- ⑧ Animal weighing
- ⑨ Surface weight
- ⑩ Rapid function, not for [M]

**Functions**

- Capacity display with ①-②, ⑤-⑦, ⑨-⑩
- Dispensing aid (-/+), with ③, ④
- Net/gross display, permanent, with ①, ③-⑤, ⑧-⑩
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①-⑦, ⑩
- Entering of item or batch description, operator etc., with ①-⑦, ⑩
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m<sup>2</sup>, or similar, with ⑨
- Date/time, with ①-⑩
- Statistical function, with ①
- GLP printout, with ①-⑩
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, import via RS-232, for examples, see the internet, with ①-⑩

STANDARD



OPTION



FACTORY



| 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 € | Option       |   |                    |               |  |  |
|-----------------------------|----------------------------|-------------------|--------------------------|----------------------|---------------------------------------|-------------------------------|--------------|---|--------------------|---------------|--|--|
|                             |                            |                   |                          |                      |                                       |                               | Verification | € | DAkKS Calibr. KERN | Certificate € |  |  |
| KERN                        |                            |                   |                          |                      |                                       |                               |              |   |                    |               |  |  |
| FKT 30K0.5L                 | 30                         | 0,5               | -                        | -                    | 5                                     | 780,-                         | -            | - | 963-128            | 88,-          |  |  |
| FKT 60K 1L                  | 60                         | 1                 | -                        | -                    | 10                                    | 780,-                         | -            | - | 963-129            | 105,-         |  |  |
| High resolution readability |                            |                   |                          |                      |                                       |                               |              |   |                    |               |  |  |
| FKT 6K0.02L                 | 6                          | 0,02              | -                        | -                    | 0,2                                   | 880,-                         | -            | - | 963-128            | 88,-          |  |  |
| FKT 16K0.05L                | 16                         | 0,05              | -                        | -                    | 0,5                                   | 880,-                         | -            | - | 963-128            | 88,-          |  |  |
| FKT 36K0.1L                 | 36                         | 0,1               | -                        | -                    | 1                                     | 880,-                         | -            | - | 963-128            | 88,-          |  |  |
| FKT 65K0.2L                 | 65                         | 0,2               | -                        | -                    | 2                                     | 880,-                         | -            | - | 963-129            | 105,-         |  |  |

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.

|             |    |    |    |     |     |       |         |      |         |       |
|-------------|----|----|----|-----|-----|-------|---------|------|---------|-------|
| FKT 6K1LM   | 6  | 1  | 1  | 20  | 10  | 880,- | 965-228 | 70,- | 963-128 | 88,-  |
| FKT 12K2LM  | 12 | 2  | 2  | 40  | 20  | 880,- | 965-228 | 70,- | 963-128 | 88,-  |
| FKT 30K5LM  | 30 | 5  | 5  | 100 | 50  | 880,- | 965-228 | 70,- | 963-128 | 88,-  |
| FKT 60K10LM | 60 | 10 | 10 | 200 | 100 | 880,- | 965-229 | 93,- | 963-129 | 105,- |

ONLY WHILE STOCKS LAST!

Price reduction



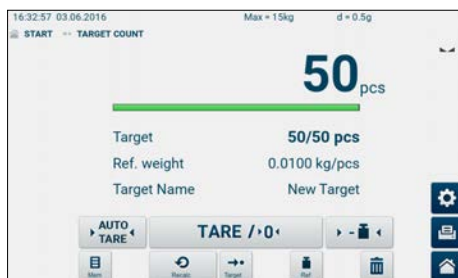
05



KERN **easytouch** bench scale – the intuitive way to weigh



**Convenient piece-counting function**  
**Komfortable Stückzahl-Funktion**  
 Standard use: Direct input of the reference quantity or the reference weight  
 Professional use: Recall of items to be counted from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when counting: select item – load – count – done!



**Fill-to-target function**  
 Programmable target quantity or target weight. A signal will be displayed when the target value is reached



**Convenient weighing with tolerance range (Checkweighing)**  
 Standard use: Direct input of the tolerances in grams or percent  
 Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. That leads to a super-fast sequence when portioning, dosing or sorting: Select item – load – check – done!



**Features**

- High-quality, rapid processors allow efficient, delay-free operation
- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, FR, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balance can be used easily by inexperienced users, straightaway. For the professional user, the balance provides convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker.
- Through a **large memory (256 MB)**, e.g. for item master data, weighing data etc. the balance is the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation
- **1** Thanks to the high level of **connectivity** it is easy to connect USB sticks for data storage or data transfer to PCs, scales and networks using RS-232 or USB. This means that this range can be used for many different functions in Industry 4.0 applications
- **Convenient recipe weighing**  
 Standard use: Direct input of the recipe ingredients in grams or percent  
 Professional use: Recall of items from the database with all relevant additional data such as target value, tolerances, name, tare container weight. That leads to a super-fast sequence when recipe-weighing: select recipe – weigh – done!  
 A graphic signal helps when dosing individual recipe ingredients. An information column on the lefthand edge of the screen allows you to see at a glance which ingredients have already been weighed (proportionately).

Recipes can be easily transferred via USB stick between the KERN touchscreen scales GAT or IFT

- **Take-Out function:** allows you to remove the same quantity every time, e.g. when portioning in cafeterias or when picking small parts. A colour bar graph shows whether the quantity removed is below the limit or within the specified tolerances (blue) or is above the limit (red)
- **Classifying:** Similar objects are automatically classified according to their weight into predetermined classes.
- **AUTO-PRINT function:** Automatic printing of the weighing when the weighing value remains unchanged. The print function as well as the content of the print-out can be adjusted individually depending on the operating mode
- **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, other interfaces on request
- **2** The battery compartment of the device can be opened easily, which means it is possible to change the batteries without having to use any tools or break any verification seal labels etc.

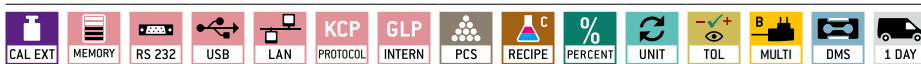
**Technical data**

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Dimensions weighing surface, stainless steel, W×D 300×225 mm
- Overall dimensions W×D×H 315×350×120 mm

**Accessories**

- **Rechargeable battery pack internal**, operating time up to 40 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



| Model            | Weighing capacity<br>[Max]<br>kg | Readability<br>[d]<br>g | Reproducibility<br>g | Linearity<br>g | Smallest part weight<br>[Normal]<br>g/piece | Price<br>excl. of VAT<br>ex works<br>€ | Option                    |                    |
|------------------|----------------------------------|-------------------------|----------------------|----------------|---|--|---------------------------|--------------------|
|                  |                                  |                         |                      |                |   |  | DAkKS Calibr. Certificate | DAkKS<br>KERN<br>€ |
| <b>GAT 6K-4</b>  | 6                                | 0,2                     | 0,4                  | ± 0,6          | 2   | <b>750,-</b>                           | 963-128                   | 88,-               |
| <b>GAT 10K-4</b> | 15                               | 0,5                     | 0,5                  | ± 1,5          | 5   | <b>750,-</b>                           | 963-128                   | 88,-               |
| <b>GAT 30K-3</b> | 30                               | 1                       | 2                    | ± 3            | 10  | <b>750,-</b>                           | 963-128                   | 88,-               |

**1** ONLY WHILE STOCKS LAST!



**KERN & SOHN GmbH**  
**Balances, Test weights, Microscopes,**  
**DAkkS calibration laboratory**

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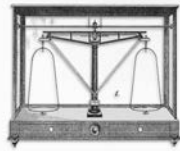
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 www.kern-sohn.com

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**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



**2007**

Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)



**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**

Verification point for non-automatic balances and test weights.

New customer portal [www.kern-sohn.com](http://www.kern-sohn.com) goes live



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



**2020**

Construction of Ziegelei 3.0, extension of administration building