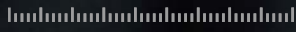KERN®

# BENCH SCALES

# 2017

PROFESSIONAL
MEASURING

# 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 2009/23/EC standard. For details see page 199

**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.

**Weighing principle: Strain gauges**
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.

**Totalising level A:**
The weights of similar items can be added together and the total can be printed out.

**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.

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

**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 units:**
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.

**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.

**Weighing with tolerance range:**
Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning

**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.

**Hold function:**
(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.

**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.

**Protection against dust and water splashes IPxx:**
The type of protection is shown in the pictogram. For details see page 56.

**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. See page 166

**ATEX explosion protection:**
Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

**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.

**Stainless steel:**
The balance is protected against corrosion.

**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.

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

**GLP/ISO log:**
With weight, date and time. Only with KERN printers, see "Accessories", see page 163.

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

# 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 – ordered today, on its way tomorrow
- Sales & service hotline available from 8:00 am to 6:00 pm

**reliable**

- 3 years warranty for balances over € 400,–
- Precision in weighing technology for more than 170 years

**competent**

- DAkkS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001:2008
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications DIN EN ISO 13485 and 93/42/EEC

**versatile**

- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Find the product you want at lightning speed with the "Balance Quick-Finder" at www.kern-sohn.com

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

**Service hotline**
+49 [0] 7433 9933-199

**Calibration hotline**
+49 [0] 7433 9933-196

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

**Online Shop**
www.kern-sohn.com

**E-mail order**
info@kern-sohn.com

**Fax order**
+49 [0] 7433 9933-146

**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 171.

**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 30 (PET), 37 (AET), 52/53 (FKT), 158 (FKTF), 77 (FKA), 78 (FKC), 104/105 (IKT), 108 (ILT)

**NEW FOR 2017:** a high-quality touchscreen bench scale range (KERN GAT, page 54/55) and touchscreen platform scale range (KERN IFT, page 106/107). 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 199–201*

**Your product specialist's recommendation:**

👍 **Suitable for a wide variety of uses, e.g. dispatch, catering trade, cafeterias, etc.**

👍 **Designed for mobile use**

👍 **Rapid and steady weighing results**

**Edeltraud Semma-Hauser**
Product specialist Bench scales

Tel.   +49 [0] 7433 9933 - 140
Fax   +49 [0] 7433 9933 - 29140
semma-hauser@kern-sohn.com

HIGH-LIGHT

only €
**195,–**
▸ page 47

**KERN   FCF**

# Quick-Finder Bench scales

| Read-out [d] | Weighing range [Max] | Weighing plate W×D mm | Model KERN | Price excl. of VAT ex works € | Page | DAYS | M | CAL EXT | MEMORY | RS 232 | PCS | TOL | MOVE | BATT | ACCU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0,02 g | 6 kg | 340×240 | FKB 6K0.02 | 520,- | 51 | 1 | | ● | | ● | ● | | ● | ● | ○ |
| 0,02 g | 6 kg | 340×240 | FKT 6K0.02L | 890,- | 52 | 1 | | ● | ● | ● | ● | ● | ● | ● | ● |
| 0,05 g | 6 kg | 294×225 | GAB 6K0.05N | 300,- | 50 | 1 | | ● | | ● | ● | ● | | | ○ |
| 0,05 g | 8 kg | 340×240 | FKB 8K0.05 | 480,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,05 g | 16 kg | 340×240 | FKB 16K0.05 | 580,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,05 g | 16 kg | 340×240 | FKT 16K0.05L | 890,- | 52 | 1 | | ● | ● | ● | ● | ● | ● | ● | ● |
| 0,1 g | 12 kg | 294×225 | GAB 12K0.1N | 300,- | 50 | 1 | | ● | | ● | ● | | | | ○ |
| 0,1 g | 16 kg | 340×240 | FKB 16K0.1 | 480,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,1 g | 3000 g | 253×229 | FCB 3K0.1 | 220,- | 48 | 1 | | | | ● | ● | | | ● | ○ |
| 0,1 g | 3000 g | 253×228 | FCF 3K-4 | 195,- | 47 | 1 | | ● | | | ● | | | ● | ○ |
| 0,1 g | 36 kg | 340×240 | FKT 36K0.1L | 890,- | 52 | 1 | | ● | ● | ● | ● | ● | ● | ● | ● |
| 0,1 g | 36 kg | 340×240 | FKB 36K0.1 | 550,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,1 g | 8 kg | 252×228 | FCB 8K0.1 | 240,- | 48 | 1 | | | | ● | ● | | | ● | ○ |
| 0,1 g | 8 kg | 340×240 | FKB 8K0.1A | 300,- | 49 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,1 g | 8 kg | 340×240 | FKB 8K0.1M | 560,- | 51 | 1 | ○ | ● | | ● | ● | | | ● | ○ |
| 0,2 g | 6 kg | 300×225 | GAT 6K-4 | 1150,- | 54 | 1 | | ● | ● | ● | ● | ● | | | ○ |
| 0,2 g | 30 kg | 294×225 | GAB 30K0.2N | 300,- | 50 | 1 | | ● | | ● | ● | ● | | | ○ |
| 0,2 g | 36 kg | 340×240 | FKB 36K0.2 | 510,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,2 g | 65 kg | 340×240 | FKB 65K0.2 | 550,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,2 g | 65 kg | 340×240 | FKT 65K0.2L | 890,- | 52 | 1 | | ● | ● | ● | ● | ● | ● | ● | ● |
| 0,5 g | 15 kg | 300×225 | GAT 10K-4 | 1150,- | 54 | 1 | | ● | ● | ● | ● | ● | | | ○ |
| 0,5 g | 15 kg | 340×240 | FKB 15K0.5A | 290,- | 49 | 1 | | ● | | ● | ● | | | ● | ○ |
| 0,5 g | 30 kg | 340×240 | FKT 30K0.5L | 790,- | 52 | 1 | | ● | ● | ● | ● | ● | ● | ● | ● |
| 0,5 g | 6 kg | 252×228 | FCB 6K0.5 | 195,- | 48 | 1 | | | | ● | ● | | | ● | ○ |
| 0,5 g | 65 kg | 340×240 | FKB 65K0.5 | 510,- | 51 | 1 | | ● | | ● | ● | | | ● | ○ |
| 1 g | 3 kg | 252×228 | FCE 3K1N | 110,- | 46 | 1 | | ● | | | | | | ● | ○ |
| 1 g | 6 kg | 340×240 | FKT 6K1LM | 890,- | 53 | 1 | ○ | ● | ● | ● | ● | | | ● | |
| 1 g | 12 kg | 252×228 | FCB 12K1 | 185,- | 48 | 1 | | | | ● | ● | | | ● | ○ |
| 1 g | 15 kg | 340×240 | FKB 15K1A | 260,- | 49 | 1 | | ● | | ● | ● | | | ● | ○ |
| 1 g | 30 kg | 253×228 | FCF 30K-3 | 195,- | 47 | 1 | | ● | | | ● | | | ● | ○ |
| 1 g | 30 kg | 253×227 | FCB 30K1 | 220,- | 48 | 1 | | | | ● | ● | | | ● | ○ |
| 1 g | 30 kg | 340×240 | FKB 30K1A | 290,- | 49 | 1 | | ● | | ● | ● | | | ● | ○ |
| 1 g | 30 kg | 300×225 | GAT 30K-3 | 1150,- | 54 | 1 | | ● | ● | ● | ● | ● | | | ○ |
| 1 g | 60 kg | 340×240 | FKT 60K1L | 790,- | 52 | 1 | | ● | ● | ● | ● | ● | ● | ● | ● |
| 1 g | 65 kg | 340×240 | FKB 65K1A | 300,- | 49 | 1 | | ● | | ● | ● | | | ● | ○ |
| 1 g | 65 kg | 340×240 | FKB 65K1M | 580,- | 51 | 1 | ○ | ● | | ● | ● | | | ● | ○ |
| 1 \| 2 g | 3 \| 6 kg | 294×225 | GAB 6K1DNM | 230,- | 50 | 1 | ○ | ● | | ● | ● | ● | | | ○ |
| 2 g | 6 kg | 252×228 | FCE 6K2N | 110,- | 46 | 1 | | ● | | | | | | ● | ○ |
| 2 g | 12 kg | 340×240 | FKT 12K2LM | 890,- | 53 | 1 | ○ | ● | ● | ● | ● | ● | ● | ● | |
| 2 g | 24 kg | 252×228 | FCB 24K2 | 185,- | 48 | 1 | | | | ● | ● | | | ● | ○ |
| 2 \| 5 g | 6 \| 15 kg | 294×225 | GAB 15K2DNM | 230,- | 50 | 1 | ○ | ● | | ● | ● | ● | | | ○ |
| 5 g | 10 kg | 320×260 | ECE 10K-3N | 99,- | 45 | 1 | | ● | | | | | | ● | ○ |
| 5 g | 10 kg | 320×260 | ECB 10K-3N | 120,- | 45 | 1 | | ● | | | | | | ● | ○ |
| 5 g | 15 kg | 252×228 | FCE 15K5N | 110,- | 46 | 1 | | ● | | | | | | ● | ○ |
| 5 g | 30 kg | 340×240 | FKT 30K5LM | 890,- | 53 | 1 | ○ | ● | ● | ● | ● | ● | ● | ● | |
| 5 \| 10 g | 15 \| 30 kg | 294×225 | GAB 30K5DNM | 230,- | 50 | 1 | ○ | ● | | ● | ● | ● | | | ○ |
| 10 g | 20 kg | 320×260 | ECE 20K-2N | 99,- | 45 | 1 | | ● | | | | | | ● | |
| 10 g | 20 kg | 320×260 | ECB 20K-2N | 120,- | 45 | 1 | | ● | | | | | | ● | |
| 10 g | 30 kg | 252×228 | FCE 30K10N | 110,- | 46 | 1 | | ● | | | | | | ● | ○ |
| 10 g | 60 kg | 340×240 | FKT 60K10LM | 890,- | 53 | 1 | ○ | ● | ● | ● | ● | ● | ● | ● | |
| 20 g | 50 kg | 320×260 | ECE 50K-2N | 99,- | 45 | 1 | | ● | | | | | | ● | ○ |
| 20 g | 50 kg | 320×260 | ECB 50K-2N | 120,- | 45 | 1 | | ● | | | | | | ● | ○ |

For an explanation on the pictos, see the front flap

NEW 2017    ● = standard    ○ = option

# Bench scales KERN ECE-N · ECB-N




## Plain, mobile, uncomplicated

### Features

- [2] **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
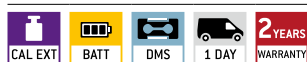- **Simple and convenient 2-key operation**

### Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface W×D 320×260 mm
- Weighing plate material
  [1] ECE-N: plastic
  ECB-N: stainless steel, see larger picture
- Overall dimensions W×D×H 320×300×60 mm
- Optional battery operation, 6×1.5 V AA not included, operating time up to 100 h, AUTO-OFF function to preserve the battery
- Net weight
  ECE-N: approx. 1,6 kg
  ECB-N: approx. 2,6 kg
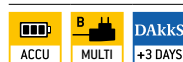- Permissible ambient temperature 5 °C/35 °C

### 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, **€ 180,-**
- **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, not included, KERN YKA-03, **€ 31,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

| CAL EXT | BATT | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| ACCU | B MULTI | DAkkS +3 DAYS |

| Model | Weighing range | Readout | Reproducibility | Linearity | Price | Option | |
|---|---|---|---|---|---|---|---|
| | | | | | excl. of VAT | DAkkS Calibr. Certificate | |
| | [Max] | [d] | | | ex works | **DKD** | |
| KERN | kg | g | g | g | € | KERN | € |
| **ECE 10K-3N** | 10 | 5 | 5 | ± 20 | **99,-** | 963-128 | 88,- |
| **ECE 20K-2N** | 20 | 10 | 10 | ± 40 | **99,-** | 963-128 | 88,- |
| **ECE 50K-2N** | 50 | 20 | 20 | ± 80 | **99,-** | 963-128 | 88,- |
| | | | | | | | |
| **ECB 10K-3N** | 10 | 5 | 5 | ± 20 | **120,-** | 963-128 | 88,- |
| **ECB 20K-2N** | 20 | 10 | 10 | ± 40 | **120,-** | 963-128 | 88,- |
| **ECB 50K-2N** | 50 | 20 | 20 | ± 80 | **120,-** | 963-128 | 88,- |

05

# Bench scale KERN FCE-N
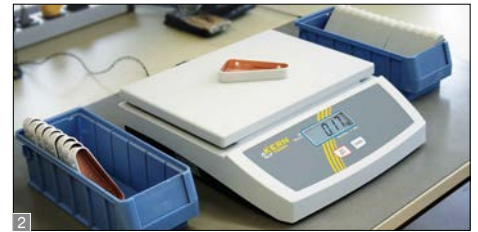
## Entry-level bench scale – mobile, practical, lightweight

### 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, comissioning or simple checkweighing scale in production or dispatch

### Technical data

· Large LCD display, digit height 25 mm
· Dimensions weighing surface, plastic, W×D 252×228 mm
· Overall dimensions W×D×H 270×345×106 mm
· Optional battery operation, 9 V Block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
· Net weight approx. 2,2 kg
· Permissible ambient temperature 5 °C/35 °C

### Accessories

· **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FCB-A02S05, **€ 35,-**
· B **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

| CAL EXT | BATT | MULTI | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| ACCU | DAkkS +3 DAYS |

| Model | Weighing range [Max] kg | Readout [d] g | Reproducibility g | Linearity g | Price excl. of VAT ex works € | Option DAkkS Calibr. Certificate DKD KERN | € |
|---|---|---|---|---|---|---|---|
| **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,- |

# Bench scale KERN FCF



**NEW**



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

## Features

- **Simple and convenient 5-key operation**
- **Very fast display:** steady weight values within 3 s
- Ideal as a
  - compact letter and parcel scale, especially in constricted spaces
  - grading or commissioning balance or simple checkweigher in production or dispatch
  - Checkweigher in the catering trade, cafeterias, school kitchens
- **High mobility:** thanks to Battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)

## Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V Block not included, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

## Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FCF-A01S05, **€ 35,-**
- **Rechargeable battery pack external**, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04, **€ 40,-**

STANDARD

| CAL EXT | PCS | RECIPE | PERCENT | MOVE | BATT | MULTI | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| ACCU | DAkkS +3 DAYS |

| Model | Weighing range | Readout | Reproducibility | Linearity | Smallest part weight [counting] | Price excl. of VAT ex works | Option DAkkS Calibr. Certificate | |
|---|---|---|---|---|---|---|---|---|
| KERN | [Max] kg | [d] g | g | g | g/piece | € | DKD KERN | € |
| FCF 3K-4 | 3 | 0,1 | 0,1 | ± 0,3 | 0,2 | 195,- | 963-127 | 72,- |
| FCF 30K-3 | 30 | 1 | 1 | ± 3 | 2 | 195,- | 963-128 | 88,- |

# Bench scale KERN FCB
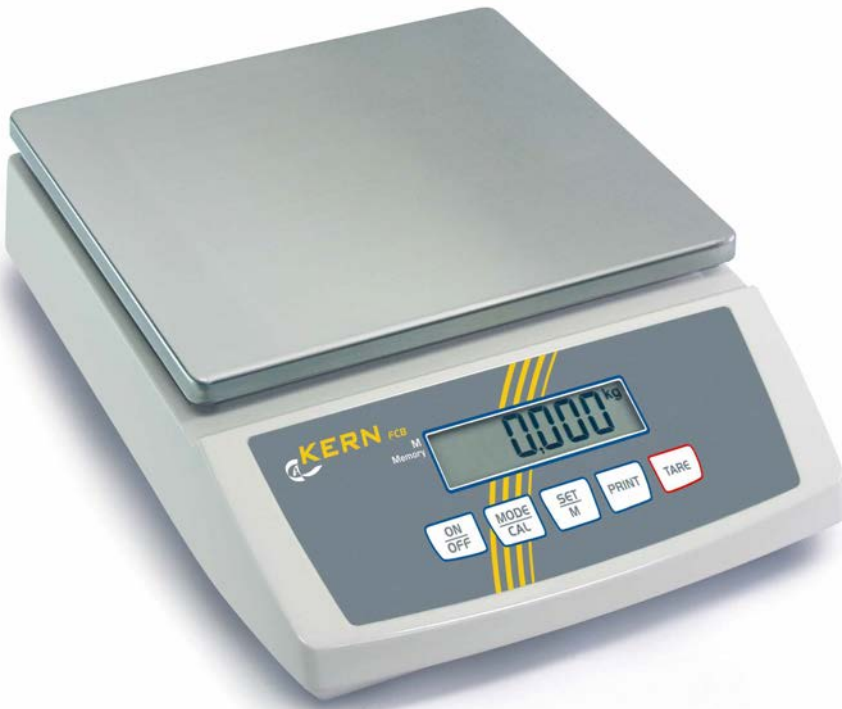


## Bench scale with second display on the backside of the scale

### 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.)

### Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 252×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V Block not included, operating time up to 12 h
- Net weight approx. 2,8 kg
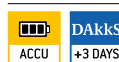- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FCB-A02S05, **€ 35,-**
- **Rechargeable battery pack internal**, operating time up to 10 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**
- **Suitable printers** see *Accessories*

STANDARD

| CAL EXT | RS 232 | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | MULTI | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| ACCU | DAkkS +3 DAYS |

| Model<br><br>KERN | Weighing range<br><br>[Max]<br>kg | Readout<br><br>[d]<br>g | Reproducibility<br><br><br>g | Linearity<br><br><br>g | Smallest part weight [counting]<br>g/piece | Price excl. of VAT ex works<br>€ | Option DAkkS Calibr. Certificate | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | DKD KERN | € |
| FCB 3K0.1 | 3 | 0,1 | 0,1 | ± 0,3 | 0.2 | **220,-** | 963-127 | 72,- |
| FCB 8K0.1 | 8 | 0,1 | 0,1 | ± 0,3 | 0.2 | **240,-** | 963-128 | 88,- |
| FCB 6K0.5 | 6 | 0,5 | 0,5 | ± 1,5 | 1 | **195,-** | 963-128 | 88,- |
| FCB 12K1 | 12 | 1 | 1 | ± 3 | 2 | **185,-** | 963-128 | 88,- |
| FCB 30K1 | 30 | 1 | 1 | ± 3 | 2 | **220,-** | 963-128 | 88,- |
| FCB 24K2 | 24 | 2 | 2 | ± 6 | 4 | **185,-** | 963-128 | 88,- |

# Bench scale KERN FKB-A





## 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
- 1 **Particularly practical:** thanks to the large weighing ranges and compact dimensions, you can accurately weigh heavy loads in the most restricted spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else

### Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Overall dimensions W×D×H 350×390×120 mm
- Optional battery operation, 9 V Block not included, operating time up to 12 h
- Net weight approx. 6 kg
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **Protective working cover**, standard, can be re-ordered, 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

| CAL EXT | RS 232 | PCS | RECIPE | PERCENT | UNIT | MOVE | UNDER | BATT | MULTI | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| ACCU | DAkkS +3 DAYS |

| Model KERN | Weighing range [Max] kg | Readout [d] g | Reproducibility g | Linearity g | Smallest part weight [counting] g/piece | Price excl. of VAT ex works € | Option DAkkS Calibr. Certificate DKD KERN | € |
|---|---|---|---|---|---|---|---|---|
| FKB 8K0.1A | 8 | 0,1 | 0,1 | ± 0,3 | 0.2 | **300,-** | 963-128 | 88,- |
| FKB 15K0.5A | 15 | 0,5 | 0,5 | ± 1,5 | 1 | **290,-** | 963-128 | 88,- |
| FKB 15K1A | 15 | 1 | 1 | ± 2 | 2 | **260,-** | 963-128 | 88,- |
| FKB 30K1A | 30 | 1 | 1 | ± 3 | 2 | **290,-** | 963-128 | 88,- |
| FKB 65K1A | 65 | 1 | 1 | ± 3 | 2 | **300,-** | 963-129 | 105,- |

# Bench scale KERN GAB-N



## 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

## 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 (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights

### Technical data
- Large backlit LCD display, digit height 24 mm
- Dimensions weighing surface, stainless steel, W×D 294×225 mm
- Overall dimensions W×D×H 320×330×125 mm
- Net weight approx. 3 kg
- Permissible ambient temperature
  GAB-N: 0°C/40°C
  GAB-M: -10°C/40°C

### Accessories
- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- 1 **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- **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,-**
- **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN CFS-A05, **€ 120,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | OPTION | FACTORY

CAL EXT · RS 232 · PCS · SUM · PERCENT · UNIT · TOL · MULTI · DMS · 1 DAY · 2 YEARS WARRANTY | ACCU · DAkkS +3 DAYS | WLAN · M +3 DAYS GAB-DNM

| Model | Weighing range | Readout | Verification value | Minimal load | Smallest part weight [counting] | Price excl. of VAT ex works | Options | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Verification | | DAkkS Calibr. Certificate | |
| KERN | [Max] kg | [d] g | [e] g | [Min] g | g/piece | € | Ⓜ KERN | € | DKD KERN | € |
| GAB 6K0.05N | 6 | 0,05 | - | - | 0,05 | **300,-** | - | - | 963-128 | 88,- |
| GAB 12K0.1N | 12 | 0,1 | - | - | 0,1 | **300,-** | - | - | 963-128 | 88,- |
| GAB 30K0.2N | 30 | 0,2 | - | - | 0,2 | **300,-** | - | - | 963-128 | 88,- |
| Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d] | | | | | | | | | | |
| Note: For applications that require verification, please order verificati on 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 | 0,2 | **230,-** | 965-228 | 55,- | 963-128 | 88,- |
| GAB 15K2DNM | 6 \| 15 | 2 \| 5 | 2 \| 5 | 40 | 0,5 | **230,-** | 965-228 | 55,- | 963-128 | 88,- |
| GAB 30K5DNM | 15 \| 30 | 5 \| 10 | 5 \| 10 | 100 | 1 | **230,-** | 965-228 | 55,- | 963-128 | 88,- |

05

# Bench scale KERN FKB





## Large, high resolution bench scale, also with EC type approval [M]

### Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- **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/m², or else
- ❶ **Particularly practical:** thanks to the large weighing ranges 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.

### Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Dimensions housing W×D×H 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included, operating time up to 40 h
- Net weight approx. 7 kg
- Permissible ambient temperature KERN FKB: 10 °C/40 °C KERN FKB-M: 10 °C/30 °C

### Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- KERN FKB: **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- **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,-**
- 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 | 3 YEARS WARRANTY |

FKB

**OPTION**

| ACCU | DAkkS +3 DAYS |

**FACTORY**

| M +3 DAYS |

FKB-M

| Model | Weighing range | Readout | Verification value | Minimal load | Smallest part weight [counting] | Price excl. of VAT ex works | Options | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **Verification** | | **DAkkS Calibr. Certificate** | |
| **KERN** | [Max] kg | [d] g | [e] g | [Min] g | g/piece | € | Ⓜ KERN | € | DKD KERN | € |
| **FKB 6K0.02** | 6 | 0,02 | - | - | 0,02 | **520,-** | - | - | 963-128 | 88,- |
| **FKB 8K0.05** | 8 | 0,05 | - | - | 0,05 | **480,-** | - | - | 963-128 | 88,- |
| **FKB 16K0.05** | 16 | 0,05 | - | - | 0,05 | **580,-** | - | - | 963-128 | 88,- |
| **FKB 16K0.1** | 16 | 0,1 | - | - | 0,1 | **480,-** | - | - | 963-128 | 88,- |
| **FKB 36K0.1** | 36 | 0,1 | - | - | 0,1 | **550,-** | - | - | 963-128 | 88,- |
| **FKB 36K0.2** | 36 | 0,2 | - | - | 0,2 | **510,-** | - | - | 963-128 | 88,- |
| **FKB 65K0.2** | 65 | 0,2 | - | - | 0,2 | **550,-** | - | - | 963-129 | 105,- |
| **FKB 65K0.5** | 65 | 0,5 | - | - | 0,5 | **510,-** | - | - | 963-129 | 105,- |
| Note: For applications that require verification, please order verificati on 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. | | | | | | | | | | |
| **FKB 8K0.1M** | 8 | 0,1 | 1 | 5 | 0,1 | **560,-** | 965-217 | 77,- | 963-128 | 88,- |
| **FKB 65K1M** | 65 | 1 | 10 | 50 | 1 | **580,-** | 965-218 | 110,- | 963-129 | 105,- |

Bench scale KERN FKT

**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]
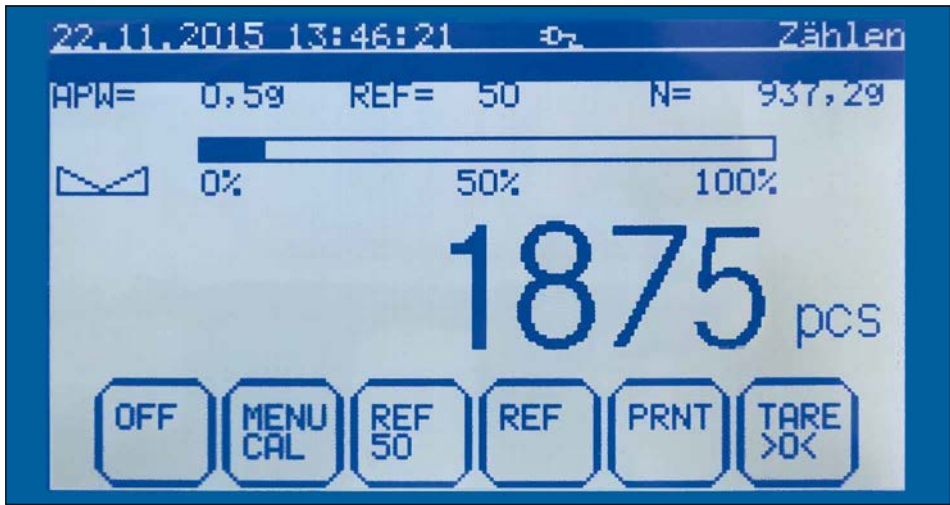
**Innovative touchscreen:**
Large touch-sensitive, backlit screen with very
good contrast for easy operation and convenient
reading

**Advantages:**
· The menu and processes are self-explanatory
· No more errors or lost time through keys
 which have several functions or unclear
 markings
· Large keys, which can also be operated
 while wearing gloves
·  More efficient and faster working

**Easy input of text and values**
Using large keypad, e.g. packaging weights,
item descriptions, user name, 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 (check-
weighing):** Input of an upper/lower limit value.
A visual and audible signal assists with
portioning, dispensing or grading

# Bench scale KERN FKT

## 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.. The recipes can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface. Alternatively, the recipes can also be entered directly using the keypad
- **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 readout
- **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. (35V / 80mA)
- **Hook for underfloor weighing** standard

## Technical data

- Backlit LCD touch display, digit height 18 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, operating time up to 20 h
- Permissible ambient temperature 10 °C/40 °C

## Accessories

- **Protective working cover**, standard, can be re-ordered, 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, **€ 180,-**
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
- **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,-**
- 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 Density determination, not for [M]
⑪ Rapid function, not for [M]

## Functions

- Capacity display with ①–②, ⑤–⑦, ⑨–⑪
- Dispensing aid (–/+), with ③, ④
- Net/gross display, permanent, with ①, ③–⑤, ⑧–⑪
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①–⑦, ⑪
- Entering of item or batch description, operator etc., with ①–⑦, ⑪
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m$^2$, or similar, with ⑨
- Date/time, with ①–⑪
- Statistical function, with ①
- GLP printout, with ①–⑪
- 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 ①–⑪

05

STANDARD

| CAL EXT | MEMORY | ALIBI | RS 232 | PCS | RECIPE | SUM | PERCENT | UNIT | TOL | MOVE | UNDER | ACCU | BATT | MULTI | DMS | 1 DAY | 3 YEARS WARRANTY |

OPTION: DAkkS +3 DAYS

FACTORY: M +3 DAYS FKT-M

| Model KERN | Weighing range [Max] kg | Readout [d] g | Reproducibility g | Linearity g | Smallest part weight [counting] g/piece | Price excl. of VAT ex works € | Options | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Verification | | DAkkS Calibr. Certificate | |
| | | | | | | | M Ⓜ KERN | € | DKD KERN | € |
| **FKT 30K0.5L** | 30 | 0,5 | 0,5 | ± 1 | 0,5 | **790,-** | - | - | 963-128 | 88,- |
| **FKT 60K1L** | 60 | 1 | 1 | ± 2 | 1 | **790,-** | - | - | 963-129 | 105,- |
| High resolution readout | | | | | | | | | | |
| **FKT 6K0.02L** | 6 | 0,02 | 0,04 | ± 0,1 | 0,02 | **890,-** | - | - | 963-128 | 88,- |
| **FKT 16K0.05L** | 16 | 0,05 | 0,1 | ± 0,25 | 0,05 | **890,-** | - | - | 963-128 | 88,- |
| **FKT 36K0.1L** | 36 | 0,1 | 0,2 | ± 0,5 | 0,1 | **890,-** | - | - | 963-128 | 88,- |
| **FKT 65K0.2L** | 65 | 0,2 | 0,4 | ± 1 | 0,2 | **890,-** | - | - | 963-129 | 105,- |
| Note: For applications that require verification, please order verificati on 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 | 0,5 | ± 0,5 | 1 | **890,-** | 965-228 | 55,- | 963-128 | 88,- |
| **FKT 12K2LM** | 12 | 2 | 1 | ± 1 | 1 | **890,-** | 965-228 | 55,- | 963-128 | 88,- |
| **FKT 30K5LM** | 30 | 5 | 2,5 | ± 2,5 | 5 | **890,-** | 965-228 | 55,- | 963-128 | 88,- |
| **FKT 60K10LM** | 60 | 10 | 5 | ± 5 | 10 | **890,-** | 965-229 | 93,- | 963-129 | 105,- |

Bench scale KERN GAT



NEW  PREMIUM ★★★

# KERN Easy-Touch bench scale – the intuitive way to weigh
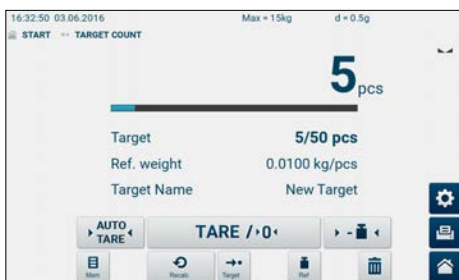






**Convenient piece-counting function**
Standard use: Direct input of the reference quantity or the reference weight.
Professional use: Recall of items to be counted from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which 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. A colour bar graph shows whether the quantity removed is below the limit (blue), is within the specified tolerances (green) or is above the limit (red). This means that the same target value can always be counted and picked, efficiently and accurately.

**Convenient weighing with tolerance range (Checkweighing)**
Standard use: Direct input of the tolerances in gramms 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. Which means a super-fast sequence when portioning, dosing or sorting: Select item – Load – Check – done!

# Bench scale KERN GAT

## Features

- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, 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**, 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 barcode readers for item recognition, USB sticks for data storage or data transfer to PCs 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).
- **Take-Off 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 result when the weighing value remains unchanged. The printing function as well as the content of the print-out can be adjusted individually depending on the operating mode
- **Remote control of the balance** using external switches or computers through KCP (KERN Communication Protocol), compatible with the large SICS command set (Standard Interface Command Set, Level 0/1)
- 2 The battery compartment of the device can be opened easily, which means it is possible to change the rechargeable batteries without having to use any tool 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 10 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- **Software** for rapid and easy processing of the database at the PC (exporting, processing, importing), KERN SET-1.0, **€ 150,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | OPTION

CAL EXT | MEMORY | RS 232 | USB | GLP INTERN | PCS | RECIPE | PERCENT | UNIT | TOL | MULTI | DMS | 1 DAY | 3 YEARS WARRANTY | ACCU | DAkkS +3 DAYS

| Model | Weighing range | Readout | Reproducibility | Linearity | Smallest part weight [counting] | Price excl. of VAT ex works | Option DAkkS Calibr. Certificate | |
|---|---|---|---|---|---|---|---|---|
| KERN | [Max] kg | [d] g | g | g | g/piece | € | DKD KERN | € |
| GAT 6K-4 | 6 | 0,2 | 0,4 | ± 0,6 | 0,2 | **1150,-** | 963-128 | 88,- |
| GAT 10K-4 | 15 | 0,5 | 0,5 | ± 1,5 | 0,5 | **1150,-** | 963-128 | 88,- |
| GAT 30K-3 | 30 | 1 | 2 | ± 3 | 1 | **1150,-** | 963-128 | 88,- |

# Tradition and innovation for more than 170 years

An independent family business, KERN since already 7 generations is synonymous with quality and reliability in customer service.



**▸ 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/EU)



**▸ 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 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

**KERN & SOHN GmbH**
**Balances, Test weights, DAkkS Calibration laboratory**
Ziegelei 1
72336 Balingen
Germany

Tel.    +49 [0] 7433 9933-0
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