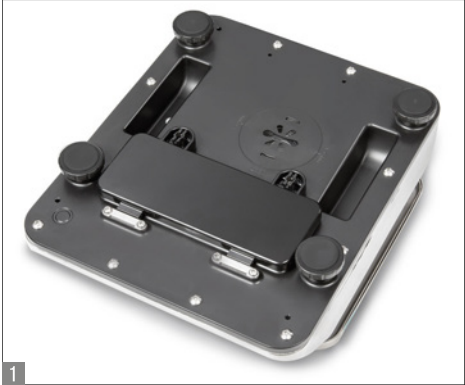# IP protected bench scale KERN FXN

Robust, space-saving bench scale, protected by stainless steel and IP68 rating – now high resolution and with EC type approval [M]

Features

- **Suitable for the ever-increasing hygienic requirements in the food industry**
- **Tough industry standard suitable for use in harsh industrial applications**
- Your support in a **HACCP**-compliant quality system
- **IP68 protection:** very high class of protection against dust and water. Making it very robust and durable. Ideal for harsh ambient conditions. Submersion in water actually possible
- **Stainless steel housing**, rust-proof and easy to clean
- **Very fast display:** steady weight values within 2 sec
- **High mobility:** Battery operation, compact construction and low weight make this balance ideal for use in several locations (production, kitchen, sales office etc.)

- **1 Recessed grips on the underside** of the scale for easy transportation
- **Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel, WxD 236x195 mm
- Overall dimensions WxDxH 240x280x120 mm
- Ready for use: Batteries included, 4 x 1.5 V Size D, operating time up to 200 h, AUTO-OFF function to preserve the batteries, can be switched off
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **2 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, for details see page 182, KERN RFS-A02

STANDARD

| CAL EXT | PCS | UNIT | TOL | IP 68 | INOX | BATT | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| DAkkS |

Model KERN	Weighing range [Max] kg	Readout [d] g	Min. piece weight [Counting] g/piece		Option DAkkS Calibr. Certificate DKD KERN	
FXN 3K-4N	3	0,5	0,5		963-127	
FXN 6K-3N	6	1	1		963-128	
FXN 10K-3N	15	2	2		963-128	
FXN 30K-3N	30	5	5		963-128	

KERN Pictograms:

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

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

Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc. *(MEMORY)*

Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard. *(ALIBI)*

Data interface RS-232: To connect the balance to a printer, PC or network. *(RS 232)*

RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance. *(RS 485)*

USB data interface: To connect the balance to a printer, PC or other peripherals. *(USB)*

Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals. *(BT)*

WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals. *(WLAN)*

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

Interface for second balance: For direct connection of a second balance. *(DUAL)*

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

Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module. *(RC)*

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection. *(GLP INTERN)*

GLP/ISO log: With weight, date and time. Only with KERN printers. *(GLP PRINTER)*

Piece counting: Reference quantities selectable. Display can be switched from piece to weight. *(PCS)*

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

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. *(RECIPE B)*

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode. *(RECIPE C)*

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

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition. *(SUM C)*

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

Weighing units: Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details. *(UNIT)*

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

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

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. *(IP)*

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

Stainless steel: The balance is protected against corrosion. *(INOX)*

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

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

Rechargeable battery pack: Rechargeable set. *(ACCU)*

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 *(MULTI)*

Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available. *(230 V)*

Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request. *(230 V)*

Weighing principle: Strain gauge Electrical resistor on an elastic deforming body. *(DMS)*

Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate. *(T-FORK)*

Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings. *(FORCE)*

Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision. *(SC TECH)*

Verification possible: The time required for verification is specified in the pictogram. *(M +3 DAYS)*

DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram. *(DAkkS +3 DAYS)*

Package shipment: The time required for internal shipping preparations is shown in days in the pictogram. *(1 DAY)*

Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram. *(2 DAYS)*

Warranty: The warranty period is shown in the pictogram. *(3 YEARS WARRANTY)*

KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.
Thanks to the high level of automation, we can carry out DAkkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:
• DAkkS calibration of balances with a maximum load of up to 50 t
• DAkkS calibration of weights in the range of 1 mg – 2500 kg
• Database supported management of checking equipment and reminder service
• Calibration of force-measuring devices
• DAkkS calibration certificates in the following languages D, GB, F, I, E, NL, PL

Your KERN specialist dealer: