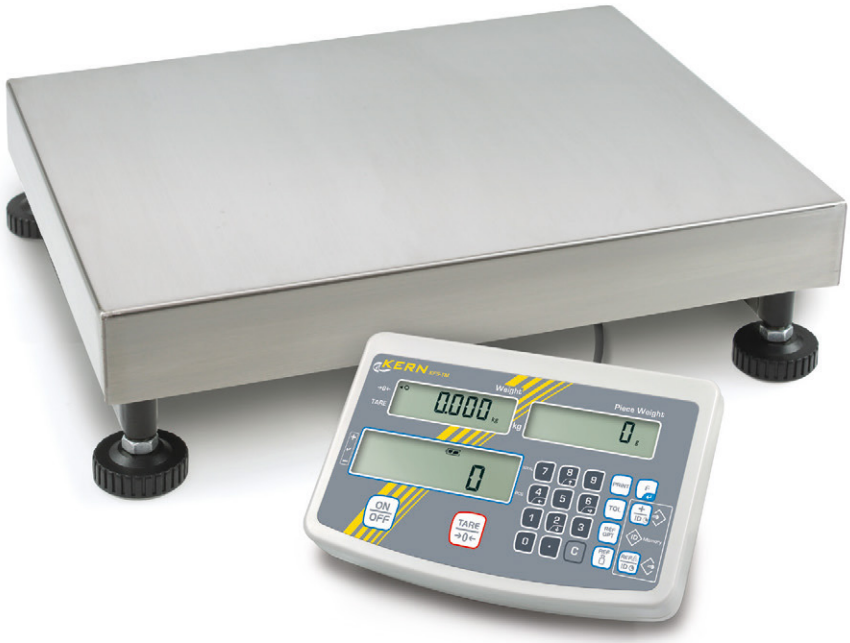
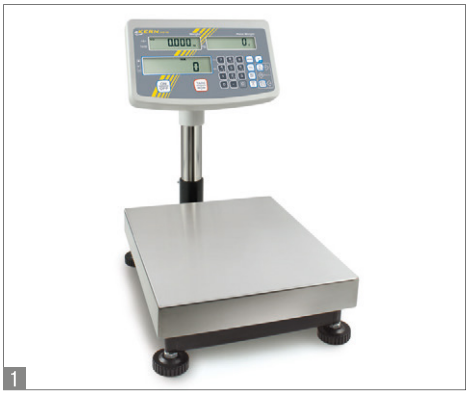
Counting scale KERN IFS





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Note:
Official verification duty for commercial trade. The verification only refers to the weight of the counted parts

Industrial counting scale with convenient decimal keypad for easy data entry - now also with EC type approval [M], counting resolution up to 75000 points

Features

- **Industrial quality:** heavy version for tough usage in industrial applications
- **Ergonomic display device** with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc., for details see page 147, KERN KFS-TM
- **99 item memories** for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- **Precise counting:** The manual reference weight optimisation gradually improves the average value of the piece weight
- **Totalising** of pieces when counting

Technical data

- Large backlit LCD displays, digit height 16 mm
- Dimensions of display device WxDxH 260x150x65 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Protective working cover** standard. Can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05
- 1 **Stand** to elevate display device, height of stand approx. 330 mm, KERN IFB-A01
  height of stand approx. 600 mm, for models with weighing plate size ≥ 500x400x137 mm, KERN IFB-A02
- **Rechargeable battery pack internal**, operating time up to 40 h, charging time approx. 12 h, must be ordered at purchase, KERN KFS-A01
- **Suitable printers** see page 177 ff.

STANDARD: CAL EXT; MEMORY (only IFS-M); RS 232; GLP INTERN; PCS; SUM; PERCENT; TOL; MULTI; DMS; 1 DAY; 3 YEARS WARRANTY

OPTION: DAkkS +3 DAYS

FACTORY: ACCU; M +3 DAYS (only IFS-M)

Model KERN	Weighing range [Max] kg	Readout [d] g	Verific. value [e] g	Min. piece weight [Counting] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate WxDxH mm		Options Verification KERN		DAkkS Calibr. Certificate KERN	
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d].												
IFS 10K-4	6 | 15	0,1 | 0,2		0,2	75.000	6,5	300x240x110		–	–	963-128	
IFS 30K0.2DL	12 | 30	0,2 | 0,5		0,5	60.000	10	400x300x128		–	–	963-128	
IFS 60K0.5D	30 | 60	0,5 | 1		1	60.000	10	400x300x128		–	–	963-129	
IFS 60K0.5DL	30 | 60	0,5 | 1		1	60.000	16	500x400x137		–	–	963-129	
IFS 100K-3	75 | 150	1 | 2		2,5	60.000	16	500x400x137		–	–	963-129	
IFS 100K-3L	75 | 150	1 | 2		2,5	60.000	24	650x500x142		–	–	963-129	
IFS 300K-3	150 | 300	2 | 5		5	60.000	24	650x500x142		–	–	963-129	
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.												
IFS 6K-3M	3 | 6	1 | 2	1 | 2	0,1	60.000	6,5	300x240x110		965-228		963-128	
IFS 10K-3M	6 | 15	2 | 5	2 | 5	0,2	75.000	6,5	300x240x110		965-228		963-128	
IFS 10K-3LM	6 | 15	2 | 5	2 | 5	0,2	75.000	10	400x300x128		965-228		963-128	
IFS 30K-3M	15 | 30	5 | 10	5 | 10	0,5	60.000	10	400x300x128		965-228		963-128	
IFS 60K-2M	30 | 60	10 | 20	10 | 20	1	60.000	10	400x300x128		965-229		963-129	
IFS 60K-2LM	30 | 60	10 | 20	10 | 20	1	60.000	16	500x400x137		965-229		963-129	
IFS 100K-2M	60 | 150	20 | 50	20 | 50	2,5	60.000	16	500x400x137		965-229		963-129	
IFS 100K-2LM	60 | 150	20 | 50	20 | 50	2,5	60.000	24	650x500x142		965-229		963-129	
IFS 300K-2M	150 | 300	50 | 100	50 | 100	5	60.000	24	650x500x142		965-229		963-129	

KERN Pictograms:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

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.

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

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

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

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

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

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

Stainless steel: The balance is protected against corrosion.

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

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

Rechargeable battery pack: Rechargeable set.

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

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

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

Weighing principle: Strain gauge Electrical resistor on an elastic deforming body.

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

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

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

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

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

Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.

Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.

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: