



Note: Official verification duty for commercial trade

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

- **Tough industry standard** suitable for use in harsh 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.
- **100 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 display, digit height 16,5 mm
- Dimensions of display device W×D×H 260×150×65 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
- **Stand** to elevate display device, height of stand approx. 330 mm, KERN IFB-A01
Column height approx. 600 mm, for models with weighing plate size B, C, KERN IFB-A02
- **Suitable printers** see *Accessories*

STANDARD









































OPTION



FACTORY

Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Smallest part weight [counting] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate W×D×H mm	Options			
								Verification		DAkkS Calibr. Certificate	
								M KERN		DKD 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	300×240×110	-		963-128	
IFS 30K0.2DL	12 30	0,2 0,5	-	0,5	60.000	11	400×300×120	-		963-128	
IFS 60K0.5D	30 60	0,5 1	-	1	60.000	10	400×300×112	-		963-129	
IFS 60K0.5DL	30 60	0,5 1	-	1	60.000	12	400×500×120	-		963-129	
IFS 100K-3	75 150	1 2	-	2,5	60.000	12	500×400×137	-		963-129	
IFS 100K-3L	75 150	1 2	-	2,5	60.000	20	650×500×142	-		963-129	
IFS 300K-3	150 300	2 5	-	5	60.000	22	650×500×135	-		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	300×240×105	965-228		963-128	
IFS 10K-3M	6 15	2 5	2 5	0,2	75.000	6	300×240×110	965-228		963-128	
IFS 10K-3LM	6 15	2 5	2 5	0,2	75.000	10	400×300×115	965-228		963-128	
IFS 30K-3M	15 30	5 10	5 10	0,5	60.000	10	400×300×120	965-228		963-128	
IFS 60K-2M	30 60	10 20	10 20	1	60.000	11	400×300×115	965-229		963-129	
IFS 60K-2LM	30 60	10 20	10 20	1	60.000	13	500×400×250	965-229		963-129	
IFS 100K-2M	60 150	20 50	20 50	2,5	60.000	12	500×400×137	965-229		963-129	
IFS 100K-2LM	60 150	20 50	20 50	2,5	60.000	22	650×500×140	965-229		963-129	
IFS 300K-2M	150 300	50 100	50 100	5	60.000	22	650×500×142	965-229		963-129	

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 2014/31/EU standard.	 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.	 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.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 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.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 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 principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision.
 Bluetooth* 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.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 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.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Interface for second balance: For direct connection of a second balance.	 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.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.	 Suspended weighing: Load support with hook on the underside of the balance.	
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	
 GLP/ISO log: With weight, date and time. Only with KERN printers.		

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 - 2500 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
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAKkS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer: