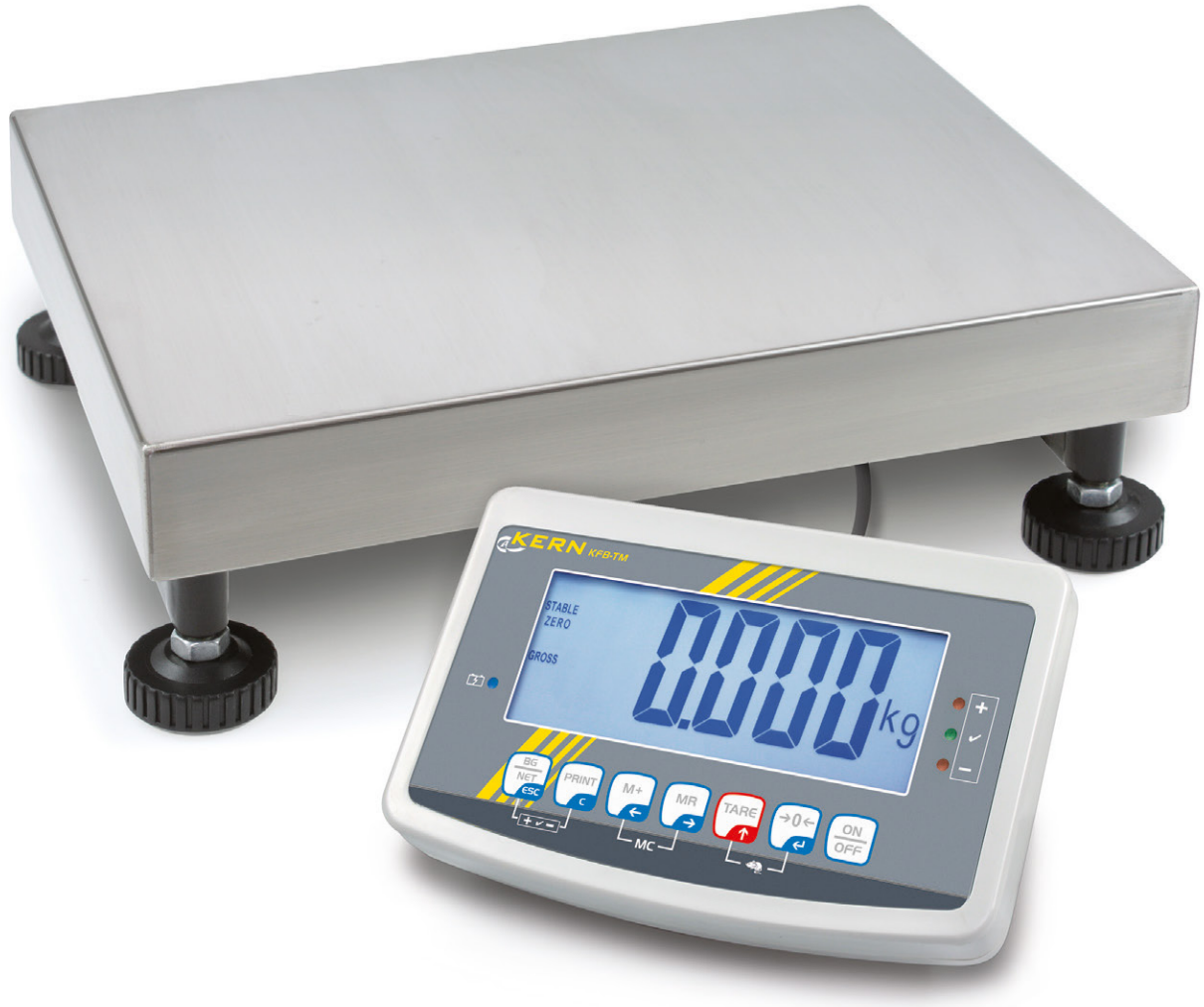
Industrial platform scale KERN IFB



Robust platform scale with EC type approval [M], now also up to [Max] 600 kg

Features

- **Industrial quality:** because of its stable construction and robust design, it is ideal for continuous use in an industrial environment
- **Superior display size:** digit height 52 mm for the easy reading of weighing results, even under poor lighting conditions
- **Benchtop stand incl. wall mount** for display device as standard
- **Stainless steel weighing plate**, painted steel base
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing results
- **Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading
- **Totalising** of weighing results and piece counts
- **Vibration-free weighing:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **New:** high-resolution models for high-precision weighing and models with a weighing range of 600 kg!

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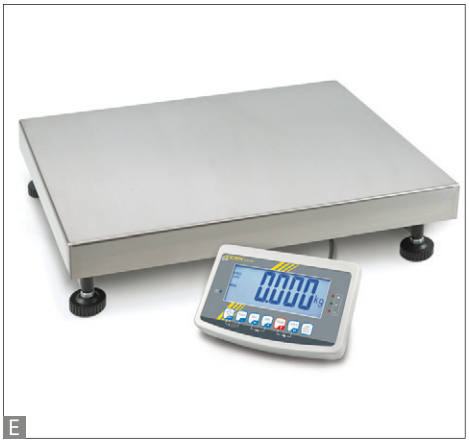
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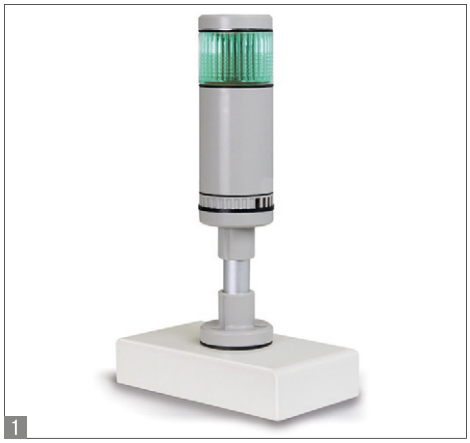
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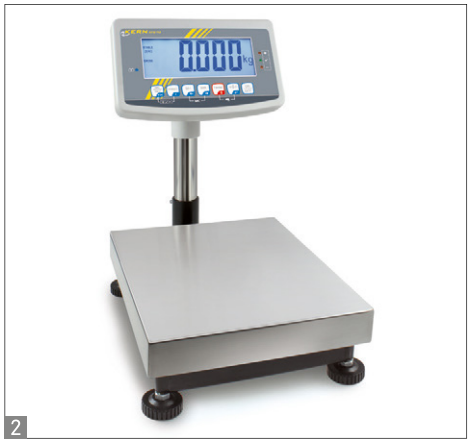
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Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions (stainless steel) WxDxH
  - A 300x240x110 mm
  - B 400x300x128 mm
  - C 500x400x137 mm, see enlarged picture
  - D 650x500x142 mm
  - E 800x600x150 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be retrofitted, KERN KFB-A02
- 1 **Signal lamp** for visual support of weighing with tolerance range. Details see page 160, can be retrofitted, KERN CFS-A03
- **Stand** to elevate display device,
  - 2 height of stand approx. 330 mm, see illustration, can be retrofitted, KERN IFB-A01
  - height of stand approx. 600 mm, can be retrofitted, for models with weighing plate size C, D and E, KERN IFB-A02
  - height of stand approx. 750 mm, can be retrofitted, KERN BFS-A07
- **Y cable**, RS-232, for details see page 160, can be retrofitted, KERN CFS-A04
- **Rechargeable battery pack internal**, operating time up to 35 h, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01
- **Large indicator with superior display size**, details see page 160, can be retrofitted, KERN YKD-A02
- **Suitable printers** and an extensive accessories range see page 157 ff.

STANDARD: CAL EXT · RS 232 · GLP PRINTER · PCS · SUM · TOL · MOVE · 230 V · DMS · 1 DAY · 2 DAYS (only IFB 600K) · 3 YEARS WARRANTY

OPTION: DAkkS +3 DAYS

FACTORY: ACCU · M +3 DAYS (only IFB-M)

Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate		Options: Verification M III KERN		Options: DAkkS Calibr. Certificate DAkkS KERN	
IFB 6K-4 NEW	6	0,2	–	–	6	A		–		963-128	
IFB 10K-4 NEW	15	0,5	–	–	6	A		–		963-128	
IFB 10K-4L NEW	15	0,5	–	–	10	B		–		963-128	
IFB 30K-3 NEW	30	1	–	–	10	B		–		963-128	
IFB 60K-3 NEW	60	2	–	–	10	B		–		963-129	
IFB 60K-3L NEW	60	2	–	–	13	C		–		963-129	
IFB 100K-3 NEW	150	5	–	–	13	C		–		963-129	
IFB 100K-3L NEW	150	5	–	–	22	D		–		963-129	
IFB 300K-2 NEW	300	10	–	–	22	D		–		963-129	
IFB 600K-2 NEW	600	20	–	–	51	E		–		963-130	
Dual-range scale switches automatically to the next largest weighing range [Max] and readout [d].											
IFB 6K1DM	3 | 6	1 | 2	1 | 2	20	6	A		965-228		963-128	
IFB 15K2DM	6 | 15	2 | 5	2 | 5	40	6	A		965-228		963-128	
IFB 15K2DLM	6 | 15	2 | 5	2 | 5	40	10	B		965-228		963-128	
IFB 30K5DM	15 | 30	5 | 10	5 | 10	100	10	B		965-228		963-128	
IFB 60K10DM	30 | 60	10 | 20	10 | 20	200	10	B		965-229		963-129	
IFB 60K10DLM	30 | 60	10 | 20	10 | 20	200	13	C		965-229		963-129	
IFB 150K20DM	60 | 150	20 | 50	20 | 50	400	13	C		965-229		963-129	
IFB 150K20DLM	60 | 150	20 | 50	20 | 50	400	22	D		965-229		963-129	
IFB 300K50DM	150 | 300	50 | 100	50 | 100	1000	22	D		965-229		963-129	
IFB 600K-1M NEW	300 | 600	100 | 200	100 | 200	2000	51	E		965-230		963-130	

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.

NEW New model

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.

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.

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, see "Accessories"

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. Additional convenient functions, such as barcode and back calculation functions.

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. Additional convenient functions, such as barcode and back calculation.

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.

Vibration-free weighing: (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. For details see the glossary.

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.

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

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

Strain gauges: Electrical resistor on an elastic deforming body.

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

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

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: 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.

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 6 t
- DAkkS calibration of weights in the range of 1 mg – 500 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

Your KERN specialist dealer: