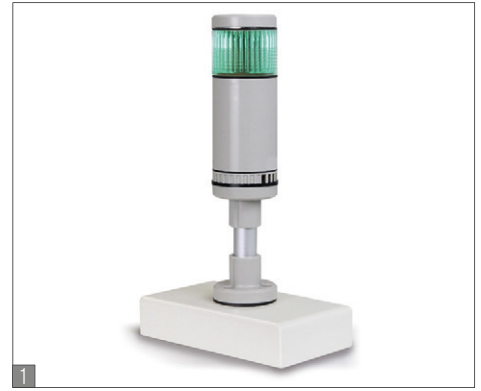


Industrial platform scale KERN IFB(SK)



Robust platform scale with EC type approval [M]

Features

- **Industrial quality:** because of its stable construction and robust design, it is ideal for continuous use in industrial applications
- **Benchtop stand incl. wall mount** for display device as standard
- **Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results
- **Totalizing** of weights and counting operations

- Dimensions of weighing plate (stainless steel) WxDxH
 - A** 300x240x100 mm
 - B** 400x300x118 mm
 - C** 500x400x137 mm, see larger picture
 - D** 650x500x142 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 reordered, KERN KFB-A02
- **Signal lamp** for visual support of weighing with tolerance range, must be ordered at

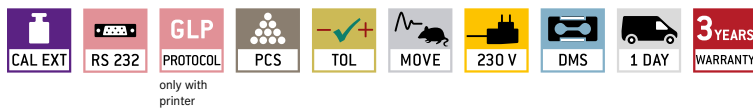
purchase, WxDxH 100x180x300 mm, KERN CFS-A03

- **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 sizes **C** and **D**, KERN IFB-A02
- **Y cable**, RS-232, 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 display with superior display size**, details see page 141, KERN YKD-A02
- **Suitable printers** see page 138

Technical data

- Large backlit LCDdisplay, digit height 52 mm

STANDARD



OPTION






































FACTORY



Model KERN	Weighing range [Max] kg	Readout [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate	Options			
							Verification		DKD Calibr. Certificate	
							M III	KERN	DKD	KERN
Dual-range balance 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

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.

KERN Pictograms

 Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 Rechargeable battery pack: rechargeable set.
 Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.
 Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.	 Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 Data interface RS-232: To connect the balance to a printer, PC or network.		 Strain gauges: Electrical resistor on an elastic deforming body.
 RS 485 data interface: To connect the balance to a printer, PC or other peripheral devices. High tolerance against electromagnetic disturbance.	 Percentage determination: Determining the deviation in % from the target value (100%).	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 USB data interface: To connect the balance to a printer, PC or other peripheral devices.	 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.	 Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.	 Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.
 Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.	 Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 Verification possible: The time required for verification is specified in the pictogram.
 Interface for second balance: for direct connection of a second balance.	 Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.	 DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 Stainless steel: the balance is protected against corrosion.	 Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.
 GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 Suspended weighing: load support with hook on the underside of the balance.	 Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	 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 package for your balance, consisting of the test weight, box and DKD certificate, as proof of its accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.

(DKD = German Calibration Service)

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DKD calibration of balances with a maximum load of up to 6 t
- DKD 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
- DKD calibration certificates in the following languages
D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: