

Platform scale KERN IFB



Accessories

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

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of weighing plate (stainless steel) WxDxH
 - A 300x240x100 mm
 - B 400x300x128 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

- Protective working cover over the display device standard, can be reordered, KERN KFB-A02
- 1 Signal lamp for visual support of weighing with tolerance range, must be ordered at purchase, WxDxH 100x180x300 mm, KERN CFS-A03
- 2 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 C and D, KERN IFB-A02
- Cable , RS-232, KERN CFS-A04
- Rechargeable battery pack internal , operating time approx. 35 h, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01
- Suitable printers see page 130

STANDARD














only with printer

OPTION































FACTORY



Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate		Options			
								Verification		DKD Calibr. Certificate	
								 KERN		 KERN	
KERN											
Dual-range balance (D=Dual): switches automatically to the next largest weighing range [Max] and readout [d].											
IFB 6K1DM	3 6	1 2	1 2	20	6			965-228		963-128	
IFB 15K2DM	6 15	2 5	2 5	40	6			965-228		963-128	
IFB 15K2DLM	6 15	2 5	2 5	40	10			965-228		963-128	
IFB 30K5DM	15 30	5 10	5 10	100	10			965-228		963-128	
IFB 60K10DM	30 60	10 20	10 20	200	10			965-229		963-129	
IFB 60K10DLM	30 60	10 20	10 20	200	16			965-229		963-129	
IFB 150K20DM	60 150	20 50	20 50	400	16			965-229		963-129	
IFB 150K20DLM	60 150	20 50	20 50	400	22			965-229		963-129	
IFB 300K50DM	150 300	50 100	50 100	1000	22			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

 CAL INT	Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 CAL EXT	Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 MEMORY	Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU
 RS 232	Data interface RS-232: To connect the balance to a printer, PC or network	 SWITCH	Control outputs (optocoupler, digital I/O) to connect relays, signal lamps, valves, etc.	 DUAL	Interface for second balance: for direct connection of a second balance
 LAN	Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 GLP PROTOCOL	GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 PCS	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
 RECIPE	Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 % PERCENT	Percentage determination: Determining the deviation in % from the target value (100%).	 UNIT	Weighing units: Can be switched to e. g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details.
 TOL	Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 MOVE	Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 IP	Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.
 INOX	Stainless steel: the balance is protected against corrosion.	 UNDER	Suspended weighing: load support with hook on the underside of the balance.	 BATT	Battery operation: Ready for battery operation. The battery type is specified for each device.
 ACCU	Rechargeable battery pack: rechargeable set.	 230 V	Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.	 230 V	Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 DMS	Strain gauges: Electrical resistor on an elastic deforming body.	 T-FORK	Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.	 FORCE	Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 SC TECH	Single cell technology: Advanced version of the force compensation principle with the highest level of precision.	 M +3 DAYS	Verification possible: The time required for verification is specified in the pictogram.	 DKD +3 DAYS	DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 DAYS	Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 DAYS	Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 3 YEARS WARRANTY	Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure 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, and M3 with weights from 1 mg to 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 ~ UKAS)

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 6000 kg
- 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.

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KERN – Professional measuring. Measuring technology and testing services from a single source

