

Industrial platform scale KERN IFB



Accessories

- Protective working cover, scope of delivery: 5 items, KERN KFB-A02S05
- Stand to elevate display device, for models with weighing plate size
 - A – E: Height of stand approx. 330 mm, KERN IFB-A01
 - D, E: 2 Height of stand approx. 600 mm, KERN IFB-A02
 - A – F: Height of stand approx. 800 mm, Stand to elevate display device Column KERN BFS-A07
- ■ Internal rechargeable battery pack, operating time up to 35 h, without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KFB-A03
- Analogue module, must be ordered at purchase, not possible in combination with signal lamp 0–10 V: KERN KFB-A04
4–20 mA: KERN KFB-A05
- Signal lamp for visual support of weighing with tolerance range, only in combination with, KERN CFS-A03
- Y-cable for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04

High-resolution industrial scale in heavy version with EC type approval [M], now also up to [Max] 600 kg

Features

- Tough industry standard suitable for use in harsh industrial applications
- ■ Platform: weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- Benchtop stand incl. wall mount for display device as standard
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A 230×230×110 mm, ■ B 300×240×110 mm
 - C 400×300×128 mm, ■ D 500×400×130 mm
 - E 650×500×142 mm, ■ F 800×600×200 mm
- Dimensions of display device W×D×H 230×230×360 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

STANDARD



OPTION








FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Option		
							Verification		DAkkS Calibr. Certificate
							M	III	DAkkS KERN
KERN IFB 3K-4	3	0,1	-	-	4,6	A	-	-	963-127
KERN IFB 6K-4S	6	0,2	-	-	4,6	A	-	-	963-128
KERN IFB 6K-4	6	0,2	-	-	5	B	-	-	963-128
KERN IFB 10K-4	15	0,5	-	-	5	B	-	-	963-128
KERN IFB 10K-4L	15	0,5	-	-	8	C	-	-	963-128
KERN IFB 30K-3	30	1	-	-	8	C	-	-	963-128
KERN IFB 60K-3	60	2	-	-	8	C	-	-	963-129
KERN IFB 60K-3L	60	2	-	-	11	D	-	-	963-129
KERN IFB 100K-3	150	5	-	-	11	D	-	-	963-129
KERN IFB 100K-3L	150	5	-	-	20	E	-	-	963-129
KERN IFB 300K-2	300	10	-	-	20	E	-	-	963-129
KERN IFB 600K-2	600	20	-	-	44	F	-	-	963-130
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]									
KERN IFB 6K-3SM	3 6	1 2	1 2	20 40	4,6	A	965-228	-	963-128
KERN IFB 6K1DM	3 6	1 2	1 2	20 40	5	B	965-228	-	963-128
KERN IFB 15K2DM	6 15	2 5	2 5	40 100	5	B	965-228	-	963-128
KERN IFB 15K2DLM	6 15	2 5	2 5	40 100	8	C	965-228	-	963-128
KERN IFB 30K5DM	15 30	5 10	5 10	100 200	8	C	965-228	-	963-128
KERN IFB 60K10DM	30 60	10 20	10 20	200 400	8	C	965-229	-	963-129
KERN IFB 60K10DLM	30 60	10 20	10 20	200 400	11	D	965-229	-	963-129
KERN IFB 150K20DM	60 150	20 50	20 50	400 1000	11	D	965-229	-	963-129
KERN IFB 150K20DLM	60 150	20 50	20 50	400 1000	20	E	965-229	-	963-129
KERN IFB 300K50DM	150 300	50 100	50 100	1000 2000	20	E	965-229	-	963-129
KERN IFB 600K-1M	300 600	100 200	100 200	2000 4000	44	F	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.

Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 KERN Communication Protocol (KCP): It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems	 Suspended weighing: Load support with hook on the underside of the balance
 Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required	 GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	 Battery operation: Ready for battery operation. The battery type is specified for each device
 Easy Touch: Suitable for the connection, data transmission and control through PC, tablet or smartphone.	 GLP/ISO log: With weight, date and time. Only with KERN printers	 Rechargeable battery pack: Rechargeable set
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight	 Universal mains adapter: with universal input and optional input socket adapters for A) EU, CH, GB; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS
 Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard	 Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 Mains adapter: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
 Data interface RS-232: To connect the balance to a printer, PC or network	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	 Totalising level A: The weights of similar items can be added together and the total can be printed out	 Weighing principle: Strain gauges: Electrical resistor on an elastic deforming body
 USB data interface: To connect the balance to a printer, PC or other peripherals	 Percentage determination: Determining the deviation in % from the target value (100 %)	 Weighing principle: Tuning fork: A resonating body is electromagnetically excited, causing it to oscillate
 Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals	 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	 Weighing principle: Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings
 WiFi data interface: To transfer data from the balance to a printer, PC or other peripherals	 Weighing with tolerance range: (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model	 Weighing principle: 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.	 Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 Verification possible: The time required for verification is specified in the pictogram
 Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram	 DAKkS calibration possible (DKD): The time required for DAKkS calibration is shown in days in the pictogram
 Interface for second balance: For direct connection of a second balance		 Factory calibration (ISO): The time required for Factory calibration is shown in days in the pictogram
 Network interface: For connecting the scale to an Ethernet network		 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

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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, EN, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

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