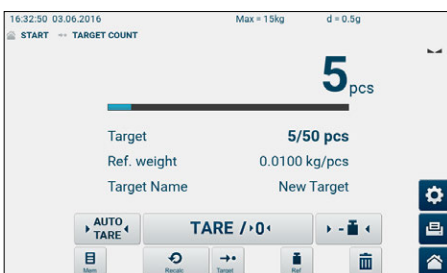


Industrial platform scale KERN IFT

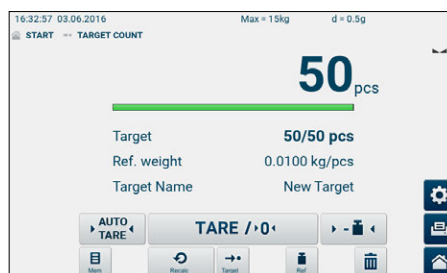


KERN easytouch platform scale – the intuitive way to weight – now also as high resolution version with high-resolution display



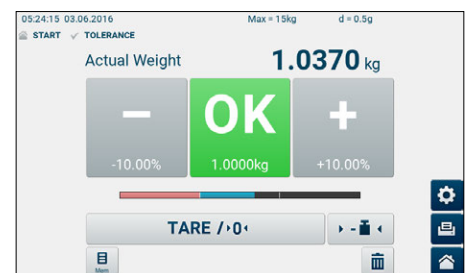
Convenient piece-counting function

Standard use: Direct input of the reference quantity or the reference weight
 Professional use: Recall of items to be counted from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when counting: select item – load – count – done!



Fill-to-target function

Programmable target quantity or target weight. A signal will be displayed when the target value is reached



Convenient weighing with tolerance range (Checkweighing)

Standard use: Direct input of the tolerances in grams or percent
 Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. That leads to a super-fast sequence when portioning, dosing or sorting: Select item – load – check – done!

Industrial platform scale KERN IFT



Features

- **High-quality, rapid processors** allow efficient, delay-free operation
- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, FR, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balance can be used easily by inexperienced users, straightaway. For the professional user, the balance provides convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker.
- Through a **large memory (256 MB)**, e.g. for item master data, weighing data etc. the balance is the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation
- **1** Thanks to the high level of **connectivity** it is easy to connect USB sticks for data storage or data transfer to PCs, scales and networks using RS-232 or USB. This means that this range can be used for many different functions in Industry 4.0 applications
- **Convenient recipe weighing**
Standard use: Direct input of the recipe ingredients in grams or percent
Professional use: Recall of items from the database with all relevant additional data such as target value, tolerances, name, tare container weight. That leads to a super-fast sequence when recipe-weighing:
select recipe – weigh – done!

- A graphic signal helps when dosing individual recipe ingredients. An information column on the lefthand edge of the screen allows you to see at a glance which ingredients have already been weighed (proportionately).
- **Multiplier function:** recipes and their ingredients can be multiplied at will at the press of a button, which is ideal for the production of larger containers, bulk packs etc.
- **2 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65

Technical data

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Weighing plate dimensions W×D×H, stainless steel
 - A** 300×240×100 mm
 - B** 400×300×128 mm, see larger picture
 - C** 500×400×137 mm
 - D** 650×500×142 mm
- Dimensions of display device, W×D×H 252×152×133 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Stand** to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01
- **Stand** to elevate display device, height of stand approx. 800 mm, KERN BFS-A07
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN GAB-A04
- **Software** for rapid and easy processing of the database at the PC (exporting, processing, importing), KERN SET-1.0

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Option	
							DAkKS KERN	DAkKS Calibr. Certificate
KERN IFT 6K-4	6	0,2	0,2	± 0,6	6	A	963-128	
KERN IFT 10K-4	15	0,5	0,5	± 1,5	6	A	963-128	
KERN IFT 10K-4L	15	0,5	0,5	± 1,5	9	B	963-128	
KERN IFT 30K-3	30	1	1	± 3	9	B	963-128	
KERN IFT 60K-3	60	2	2	± 6	9	B	963-129	
KERN IFT 60K-3L	60	2	2	± 6	14	C	963-129	
KERN IFT 100K-3	150	5	5	± 15	14	C	963-129	
KERN IFT 100K-3L	150	5	5	± 15	22	D	963-129	
KERN IFT 300K-2L	300	10	10	± 30	22	D	963-129	

1 ONLY WHILE STOCKS LAST!

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	Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
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	Stainless steel: The balance is protected against corrosion
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	Suspended weighing: Load support with hook on the underside of the balance
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	Battery operation: Ready for battery operation. The battery type is specified for each device
Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.	GLP/ISO log: With weight, date and time. Only with KERN printers	Rechargeable battery pack: Rechargeable set
Data interface RS-232: To connect the balance to a printer, PC or network	Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	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
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	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, CH. On request GB, USA or AUS version available
USB data interface: To connect the balance to a printer, PC or other peripherals	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
Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals	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
WLAN data interface: To transfer data from 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
Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	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
Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements	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
Interface for second balance: For direct connection of a second balance	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
Network interface: For connecting the scale to an Ethernet network		DAKkS calibration possible: The time required for DAKkS calibration is shown in days in the pictogram
Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module		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, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer: