



Compact portion scale with 2 XXL displays – weight, unit price, total price and TARE value at a glance

Features

- Ideal as a salad scale, sweet scale, check-weigher, portion scale or zero-waste scale: Shopping without plastic or packaging waste in packaging-free supermarkets
- **Large LCD display with four displays** for weight display (verifiable), unit price, total price and stored TARE or PRE-TARE value
- TARE value display: this shows a TARE or PRE-TARE value stored in a PLU, which enables this value to be stored in a legally binding way in accordance with the Weights and Measures Act
- **1 Second display** on the rear of the balance
- **2 Column** to elevate the display as standard, can be easily fitted or removed by the user. The power cable for the second display can be stored in the folding column which is hygienic and gives a tidy appearance. Column height approx. 395 mm
- **3** Thanks to easily-understandable, universal symbols e.g. for weight, piece weight, total price this balance can also be understood and operated easily all over the world
- **Calculation of change**

- **4 Direct price keys** for frequently recurring article prices
- **Memory (PLU) for 100 article prices**
- Item description can be entered, stored and shown on the display in clear text
- **Unit price can be switched** from €/kg to €/100 g
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded
- **Headers and footers of the printout** can be programmed directly on the balance
- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- **Recessed grips on the underside** of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, WxD 230x300 mm
- Overall dimensions WxDxH 320x450x130 mm
- Net weight approx. 4,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Label printer** for printing weights on thermal labels, ASCII-capable, for further details, see *Accessories*, KERN YKE-01
- **Rechargeable battery pack internal**, operating time up to 60 h with backlight, charging time approx. 12 h, KERN GAB-A04

Application examples

- cafeterias, restaurants, Motorway service stations
- retail shops
- weekly markets
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Option	
					Verification	DAkKS Calibr. Certificate
KERN					MID KERN	DAkKS KERN
RFE 6K3M	3 6	1 2	1 2	20	965-228	963-128
RFE 15K3M	6 15	2 5	2 5	40	965-228	963-128
RFE 30K3M	15 30	5 10	5 10	100	965-228	963-128

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		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

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