

Pocket balances KERN TEE · TCB · CM · CM-C · TAB



KERN TEE

Designer pocket balance



KERN TCB

This is where the fun starts with pocket size weighing



1 KERN CM

Pocket balance with integrated calculator (CM) or carat display (CM-C) – ideal for jewellers



KERN TAB

High-precision pocket carat balance for jewellers and travelling salesmen

STANDARD

- CAL EXT
- UNIT
- BATT
- 1 DAY

STANDARD OPTION

- 2 YEARS WARRANTY
- DAkks +3 DAYS

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- Simple and convenient 2-key operation
- Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare container
- Note: Upon request available with your logo printed on it, min. 100 pcs. Please ask for details

- Simple and convenient 2-key operation
- Small and handy
- Transport box and weighing pan included
- Revolving weighing plate (as overload protection)
- Note: Individual logo printing on request

- Hard case cover as protection against pressure and dust

- 1 CM:
- Integrated calculator

- 2 CM-C:
- Adjusting weight standard
 - Draft shield against air movements standard
 - Weighing pan standard

- Simple and convenient 4-key operation
- Quickly changing weighing units at the touch of a key, from g to ct to gn
- Hard case cover as protection against pressure and dust
- Adjusting weight and weighing pan standard



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KERN	TEE 150-1	TCB 200-1	CM 60-2N	CM 150-1N	CM 320-1N	CM 1K1N	CM 50-C2N	TAB 20-3	
Weighing ranges [Max]	150 g	200 g	60 g	150 g	320 g	1000 g	10 g 50 ct	20 g 100 ct	
Readout [d]	0,1 g	0,1 g	0,01 g	0,1 g	0,1 g	1 g	0,002 g 0,01 ct	0,001 g 0,005 ct	
LCD display	backlit, digit height 9 mm	digit height 9 mm	digit height 12 mm				digit height 9 mm	backlit, digit height 9 mm	
Dimensions of weighing plate WxD	60x64 mm	Ø 80 mm	70x80 mm				40x50 mm	36x42 mm	
Overall dimensions WxDxH	67x100x22 mm	ØxH 80x14 mm	85x130x25 mm				95x133x33 mm		
Power supply	Batteries included, 2 x 1,5 V AAA	Batteries included, 2 x LR 44 AUTO-OFF function to preserve the battery, can be switched off	Batteries included, 2 x 1,5 V AAA AUTO-OFF function to preserve the battery, can be switched off				Batteries included, 4 x 1,5 V AAA Operating time approx. 150 h		
Net weight	100 g	50 g	180 g				200 g		
Permissible ambient temperature	5 °C / 35 °C							10 °C / 30 °C	
Option DAkks Calibr. Certificate	963-127								

KERN Pictograms

 Internal adjusting: Quick setting up 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).	 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.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.	 Rechargeable battery pack: Rechargeable set.
 Data interface RS-232: To connect the balance to a printer, PC or network.	 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 Strain gauges: Electrical resistor on an elastic deforming body.	 Tuning fork principle: 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.	 Percentage determination: Determining the deviation in % from the target value (100 %).	 Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 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.	 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.	 Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 Verification possible: The time required for verification is specified in the pictogram.
 Interface for second balance: For direct connection of a second balance.	 Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAkkS calibration possible: The time required for DAkkS calibration is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.		

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 - 2000 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.

Your KERN specialist dealer:

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 6 t
- DAkkS 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
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL