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

KERN TEE
Designer pocket balance at a bargain price

KERN TCB
This is where the fun starts with pocket format weighing

1 KERN CM
Small, practical and protected in a hard case cover

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**

- **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 cup
- **Note: Can be printed with your logo**, from 100 pcs. Please ask for details

STANDARD

| CAL EXT | UNIT | BATT | 1 DAY |

STANDARD · OPTION

2 YEARS WARRANTY · **DAkkS +3 DAYS**

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

STANDARD

| CAL EXT | UNIT | BATT | 1 DAY |

STANDARD · OPTION

2 YEARS WARRANTY · **DAkkS +3 DAYS**

- **Hard case cover as protection against pressure and dust**

1 CM:
- **Integrated calculator**

2 CM-C:
- **Hard case cover as protection against pressure and dust**
- **Adjusting weight standard**
- **Draft shield** against air movements standard
- **Weighing pan standard**

STANDARD

| CAL EXT | UNIT | BATT | 1 DAY |

STANDARD · OPTION

2 YEARS WARRANTY · **DAkkS +3 DAYS**

- **Simple and convenient 4-key operation**
- **Can be switched over from g to ct**, gn at the touch of a key
- **Hard case cover as protection against pressure and dust**
- **Adjusting weight and weighing pan standard**

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 range [Max] g	150 g	200 g	60 g	150 g	320 g	1000 g	10 g | 50 ct	20 g | 100 ct
Readout [d] g	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	WxD 70x80 mm				WxD 50x40 mm	WxD 36x42 mm
Overall dimensions	WxDxH 67x100x22 mm	ØxH 80 mm	WxDxH 85x130x25 mm					WxDxH 95x133x33 mm
Power supply	Batteries included, 2 x 1,5 V AAA	Batteries included, 2 x LR 44 AUTO-OFF function to preserve battery life, can be switched off	Batteries included, 2 x 1,5 V AAA AUTO-OFF function to preserve battery life, can be switched off Operating time:					Batteries included, 4 x 1,5 V AAA operating time approx. 150 h
			ca. 30 h		ca. 70 h		ca. 30 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).
`CAL INT`

Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.
`CAL EXT`

Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.
`MEMORY`

Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard.
`ALIBI`

Data interface RS-232: To connect the balance to a printer, PC or network.
`RS 232`

RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.
`RS 485`

USB data interface: To connect the balance to a printer, PC or other peripherals.
`USB`

Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals.
`BT`

WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.
`WLAN`

Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.
`SWITCH`

Interface for second balance: For direct connection of a second balance.
`DUAL`

Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.
`LAN`

Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.
`RC`

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.
`GLP INTERN`

GLP/ISO log: With weight, date and time. Only with KERN printers.
`GLP PRINTER`

Piece counting: Reference quantities selectable. Display can be switched from piece to weight.
`PCS`

Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).
`RECIPE A`

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.
`RECIPE B`

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode.
`RECIPE C`

Totalising level A: The weights of similar items can be added together and the total can be printed out.
`SUM A`

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition.
`SUM C`

Percentage determination: Determining the deviation in % from the target value (100 %).
`PERCENT`

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.
`UNIT`

Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.
`TOL`

Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.
`MOVE`

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
`IP`

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.
`ATEX`

Stainless steel: The balance is protected against corrosion.
`INOX`

Suspended weighing: Load support with hook on the underside of the balance.
`UNDER`

Battery operation: Ready for battery operation. The battery type is specified for each device.
`BATT`

Rechargeable battery pack: Rechargeable set.
`ACCU`

Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS
`MULTI`

Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
`230 V`

Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
`230 V`

Weighing principle: Strain gauge Electrical resistor on an elastic deforming body.
`DMS`

Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate.
`T-FORK`

Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings.
`FORCE`

Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision.
`SC TECH`

Verification possible: The time required for verification is specified in the pictogram.
`M +3 DAYS`

DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram.
`DAkkS +3 DAYS`

Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
`1 DAY`

Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
`2 DAYS`

Warranty: The warranty period is shown in the pictogram.
`3 YEARS WARRANTY`

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 - 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.
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
- 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, PL

Your KERN specialist dealer: