Pocket balances KERN TEE · CM · TGC

KERN TEE

Designer pocket balance at a bargain price

KERN CM

Pocket balance with integrated pocket calculator

KERN TGC

Slim pocket balance with large stainless steel weighing plate and practical tare pan

STANDARD

CAL EXT | BATT | 1 DAY

OPTION

DAkkS +3 DAYS

STANDARD

CAL EXT | UNIT | BATT | 1 DAY

OPTION

DAkkS +3 DAYS

STANDARD

CAL EXT | UNIT | BATT | 1 DAY

OPTION

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

- Simple and convenient 4-key operation
- Hard case cover as protection against pressure and dust
- Robust, handy, well protected
- Integrated calculator

- High-resolution pocket balance with particularly rapid reaction and stabilisation time, which means that you can work extremely efficiently
- Particularly flat design
- Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare cup
- Stainless steel weighing plate, which makes cleaning easy and hygienic
- **Note:** The models are only delivered in a set of 5 units. i.e. the prices given in the table refer to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Tip: KERN pocket scales are also ideal as a customer gift or for personalised marketing and sales campaigns. We are happy to print your logo on the cover, the lid or the packaging, from 100 pieces. Please inquire details

KERN	TEE 150-1*	CM 60-2N	CM 150-1N	CM 320-1N	CM 1K1N	TGC 150-2S05	TGC 500-1S05	TGC 1K-3S05
Weighing capacity [Max] g	150 g	60 g	150 g	320 g	1000 g	150 g	500 g	1000 g
Readability [d]	0,1 g	0,01 g	0,1 g	0,1 g	1 g	0,01 g	0,1 g	1 g
LCD display	backlit, digit height 9 mm	backlit, digit height 12 mm				backlit, digit height 12 mm		
Dimensions of weighing plate	W×D 60×64 mm	W×D 70×80 mm				ø 81 mm		
Overall dimensions	W×D×H 67×100×22 mm	W×D×H 85×130×25 mm				W×D×H 100×130×18 mm		
Power supply	Batteries included, 2×1,5 V AAA, operating time up to 50 h	Batteries included, 2×1,5 V AAA, AUTO-OFF function to preserve battery life, operating time up to 33 h				Batteries included, 2× CR2032, operating time up to 33 h		
Net weight	100 g	180 g				200 g		
Permissible ambient temperature	5 °C/35 °C					0 °C/40 °C		
Option DAkkS Calibr. Certificate	963-127							

⚠ * ONLY WHILE STOCKS LAST!

Pictograms

Internal adjusting:
CAL INT — Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)

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

Easy Touch:
ET — Suitable for the connection, data transmission and control through PC, tablet or smartphone.

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

Alibi memory:
ALIBI — Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard

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

RS-485 data interface:
RS 485 — To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

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

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

WiFi data interface:
WIFI — To transfer data from the balance to a printer, PC or other peripherals

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

Analogue interface:
ANALOG — to connect a suitable peripheral device for analogue processing of the measurements

Interface for second balance:
DUAL — For direct connection of a second balance

Network interface:
LAN — For connecting the scale to an Ethernet network

KERN Communication Protocol (KCP):
KCP PROTOCOL — 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

GLP/ISO log:
GLP INTERN — The balance displays serial number, user ID, weight, date and time, regardless of a printer connection

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

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

Recipe level A:
RECIPE A — The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out

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

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

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

Weighing units:
UNIT — 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 with tolerance range:
TOL — (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

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

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

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

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

Rechargeable battery pack:
ACCU — Rechargeable set

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

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

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

Weighing principle: Strain gauges:
DMS — Electrical resistor on an elastic deforming body

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

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

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

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

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

Factory calibration (ISO):
ISO +4 DAYS — The time required for Factory calibration is shown in days in the pictogram

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

Pallet shipment:
2 DAYS — 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

Your KERN specialist dealer: