



POCKET BALANCES


PROFESSIONAL MEASURING





KERN Pictograms


 **Internal adjusting**
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)


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


 **EasyTouch**
Suitable for the connection, data transmission and control through PC or tablet


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


 **Alibi memory**
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.


 **KERN Universal Port (KUP)**
allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort


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


 **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


 **USB Data interface**
To connect the balance to a printer, PC or other peripherals

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

 **WIFI Data interface**
To transfer data from the balance to a printer, PC or other peripherals


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

 **Analogue interface**
to connect a suitable peripheral device for analogue processing of the measurements


 **Interface for second balance**
For direct connection of a second balance


 **Network interface**
For connecting the scale to an Ethernet network


 **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


 **GLP/ISO log intern**
The balance displays weight, date and time, independent of a printer connection


 **GLP/ISO log Printer**
With weight, date and time. Only with KERN printers.


 **Piece counting**
Reference quantities selectable. Display can be switched from piece to weight


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


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


 **Percentage determination**
Determining the deviation in % from the target value (100 %)


 **Weighing units**
Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details


 **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


 **Hold function**
(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**
The type of protection is shown in the pictogram


 **Suspended weighing**
Load support with hook on the underside of the balance


 **Battery operation**
Ready for battery operation. The battery type is specified for each device


 **Rechargeable battery pack**
Rechargeable set


 **Universal plug-in power supply**
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS


 **Plug-in power supply**
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available


 **Integrated power supply unit**
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request


 **Weighing principle Strain gauges**
Electrical resistor on an elastic deforming body


 **Weighing principle Tuning fork**
A resonating body is electromagnetically excited, causing it to oscillate


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


 **Weighing principle Single cell technology**
Advanced version of the force compensation principle with the highest level of precision

 **Conformity Assessment**
The time required for conformity assessment is specified in the pictogram

 **DAkkS calibration possible (DKD)**
The time required for DAkkS calibration is shown in days in the pictogram

 **Factory calibration (ISO)**
The time required for Factory calibration is shown in days in the pictogram

 **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

KERN Models A-Z

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KERN Quick-Finder

How I quickly find the product I am looking for

Ahead of each product group allows you to base the search for a certain target group on weighing data you need such as readout, weighing capacity and main features for each model.

And it's as simple as that – find the product you want in 2 steps:

1. Go to the product group index on page 3
2. Pick the appropriate product group and find the product you want using the Quick-Finder



Pocket balance with integrated pocket calculator

Features

- Simple and convenient 4-key operation
- Hard case cover as protection against pressure and dust
- Robust, handy, well-protected
- Integrated calculator
- Ready for use: Batteries included, 2×1.5 V AAA, operating time up to 33 h. Integrated AUTO-OFF function after 4 minutes to preserve the batteries



KERN	CM 60-2N*	CM 150-1N*	CM 320-1N*	CM 1K1N*
Weighing capacity [Max] g	60	150	320	1000
Readability [d] g	0,01	0,1 g	0,1 g	1 g
Backlit display, digit height	LCD, 12 mm			
Dimensions of weighing plate W×D	70×80 mm			
Overall dimensions W×D×H	85×130×25 mm			
Net weight	200 g			
Permissible ambient temperature	5 °C - 35 °C			
Price, excl. of VAT, ex works, €	93,-	60,-	63,-	60,-
Option DAKkS Calibr. Certificate, €	963-127, 98,-			

! * ONLY WHILE STOCKS LAST



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

Features

- High-resolution pocket balance with particularly rapid reaction and stabilisation time, which means that you can work extremely efficiently
- Particularly flat design
- **1** 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
- Ready for use: Batteries included, 2×CR2032, operating time up to 8,75 h. Integrated AUTO-OFF function after 4 minutes to preserve the batteries



Compact pocket carat balance for precision weighing of jewellery and precious stones

Features

- Simple and convenient 4-key operation
- Can be switched over from g to ct, gn, dwt, ozt, oz at the touch of a key
- Innovative touchscreen: Large touch-sensitive, backlit touch display with very good contrast for easy operation and convenient reading
- Hard case cover as protection against pressure and dust
- Stainless steel weighing plate, which makes cleaning easy and hygienic
- Weighing pan standard
- Powder scale with Grain division (gn), ideal for sport shooters, reloaders etc. for self-filling cartridge cases
- USB cable for power supply as standard
- Ready for use: Batteries included, 4×1.5 V AAA, operating time up to 150 h. Integrated AUTO-OFF function after 5 minutes to preserve the batteries
- **2** Delivered in single design packaging



STANDARD OPTION

KERN	TGC 150-2	TGC 500-1	TGC 1K-3	TGD 50-3C
Weighing capacity [Max] g	150	500	1000	50 250 ct
Readability [d] g	0,01	0,1	1	0,001 0,005 ct
LCD display - backlit		yes		yes
LCD display - digit height		12 mm		20 mm
Dimensions of weighing plate W×D mm		81 mm		65 mm
Overall dimensions W×D×H		100×130×18 mm		96×150×64 mm
Net weight		200 g		250 g
Permissible ambient temperature		0 °C - 40 °C		5 °C - 35 °C
Price, excl. of VAT, ex works, €	40,-	40,-	40,-	68,-
Option DAkkS Calibr. Certificate, €		963-127, 98,-		963-127, 98,-

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