

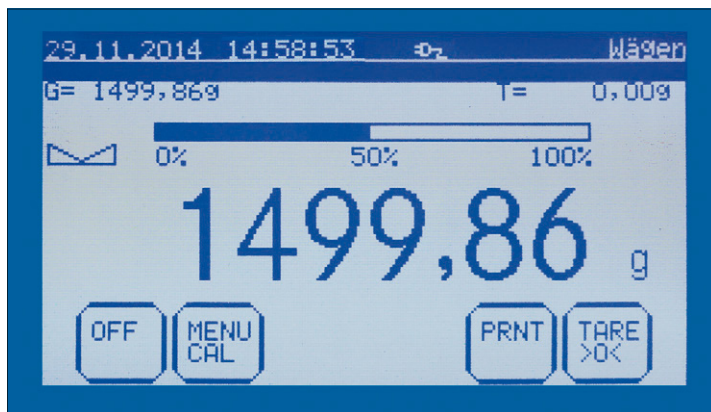
Precision balance KERN PKT



Internal memory

- Ring memory for up to 49,152 measuring results (744 measuring results per day!)
- Saved measuring results cannot be changed or cleared. If the maximum memory capacity is reached, then the oldest value will be overwritten
- In addition to the measuring result, the date, time, tare value, a sequential number and the serial number of the balance are also saved.
- Saved measuring results can be searched and recalled easily

Touchscreen laboratory and industrial scale with enormous range of functions

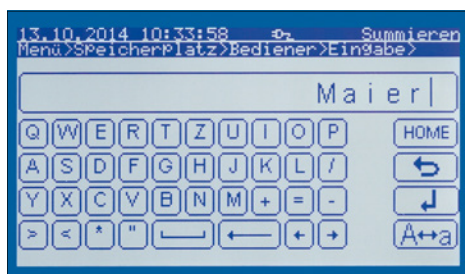


Display at full size, operating mode weighing

Innovative touchscreen: touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading

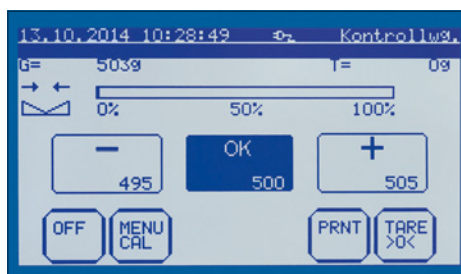
Advantages:

- The menu and processes are self-explanatory
- No more errors or lost time through keys which have several functions assigned to them or unclear markings
- Large keys, which can also be operated when wearing gloves
- More efficient, faster and safer working



80 memories for each mode

e.g. for Checkweighing, PRE-TARE, reference weight, target value when dispensing, item descriptions, user name, weights for tare containers, etc. Easy to enter using the large-scale keypad



Weighing with tolerance range

(checkweighing): Input of an upper/lower limit value. A visual signal assists with portioning, dispensing or grading



Convenient recipe weighing

you can save up to 99 complete recipes in the memory with up to 10 components each. The individual components of a mixture can be printed out clearly with their name, weight and grand total

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Features

- **Convenient recipe-weighing:** the recipes can be generated easily in an Excel list in the PC and transferred to the balance using the RS-232 interface. Alternatively, the recipes can also be entered directly using the keypad. If one recipe ingredient is overweight, then the practical recipe adjustment function for when dosages are exceeded automatically calculates the new target weights of the other ingredients. The actual and target values and the proportionate percentage can then be printed
- **Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- **16 print forms** which can store up to 20 different information, such as, e.g., date, time, operator, item, net, tare, gross, PCS, target weight, PRE-TARE etc. The print forms can be generated easily in an Excel list in the PC and transferred to the balance using the RS-232 interface
- **Rapid function** for shortened stabilisation time with reduced readout
- **Ring-shaped draught shield** standard for models with weighing plate size **A**, weighing space ØxH 157x57 mm
- **Hook for underfloor weighing**, standard on all models with readout [d] = 0,001 g

Technical data

- Large backlit LCD touch display, digit height 15 mm, screen diagonal 4,3" (approx. 109 mm), WxH 91x54 mm
- Weighing plate dimensions, stainless steel, **A** Ø 106 mm, **B** Ø 150 mm
- **C** WxD 160x200 mm, see enlarged picture
- Overall dimensions WxDxH 180x310x90 mm
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** standard. Can be re-ordered, scope of delivery: 5 items, KERN 572-A02S05
- **Rechargeable battery pack external**, operating time up to 15 hours with backlight, charging time approx. 10 h, KERN KS-A01
- **Large glass draught shield** with 3 sliding doors. Weighing space WxDxH 150x140x130 mm (only for models with weighing plate size **A**), KERN 572-A05
- **Set for density determination** of liquids and solids with density $\leq/\geq 1$, **2** for models with weighing plate size **A**, KERN YDK-01
- **3** for models with weighing plate size **B**, KERN YDK-02
- **RS-232/Ethernet adapter**, for details see page 180, KERN YKI-01
- **RS-232/USB adapter**, for details see page 181, KERN AFH 12
- **Hook for underfloor weighing**, for models with [d] $\geq 0,01$ g, can be retrofitted, KERN 572-A03
- **Suitable printers** see page 177 ff.

Modes

- ① Weighing
- ② Counting
- ③ Dispensing
- ④ Recipe weighing
- ⑤ Checkweighing
- ⑥ Totalising with daily total
- ⑦ Percentage determination
- ⑧ Animal weighing
- ⑨ Surface weight
- ⑩ Density determination, only with **A**, **B**
- ⑪ Rapid function

Functions

- Capacity display, with ① - ②, ⑤ - ⑦, ⑨ - ⑪
- Dispensing aid (subtractive/additive), with ③, ④
- Net/gross display, permanent, with ①, ③ - ⑤, ⑧ - ⑪
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ① - ⑦, ⑪
- Input of item or batch description, operator etc., with ① - ⑦
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m², or similar, with ⑨
- Date/time, with ① - ⑪
- Statistical function, with ①
- GLP printout, with ① - ⑪
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, importing via RS-232, for examples, see the internet, with ① - ⑪

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Min. piece weight [Counting] g/piece	Net weight approx. kg	Weighing plate	Option DAkKS Calibr. Certificate	
								DKD KERN	
KERN									
PKT 300-3	300	0,001	0,002	± 0,005	0,001	2,3	A	963-127	
PKT 420-3	420	0,001	0,002	± 0,005	0,001	2,3	A	963-127	
PKT 3000-2	3000	0,01	0,02	± 0,05	0,01	2,3	B	963-127	
PKT 4200-2	4200	0,01	0,02	± 0,05	0,01	2,3	B	963-127	
PKT 12K0.05	12000	0,05	0,05	± 0,15	0,05	2,7	C	963-128	
PKT 16K0.1	16000	0,1	0,1	± 0,3	0,1	2,7	C	963-128	
PKT 24K0.1	24000	0,1	0,1	± 0,3	0,1	2,7	C	963-128	

ONLY WHILE STOCKS LAST !

KERN Pictograms:



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



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



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



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



Rechargeable battery pack: Rechargeable set.



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



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.



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



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



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



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



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



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



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



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.



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



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



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



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: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings.



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



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.



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.



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.



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



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



DAKkS calibration possible (DKD): 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.



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



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.



Stainless steel: The balance is protected against corrosion.



Warranty: The warranty period is shown in the pictogram.

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: