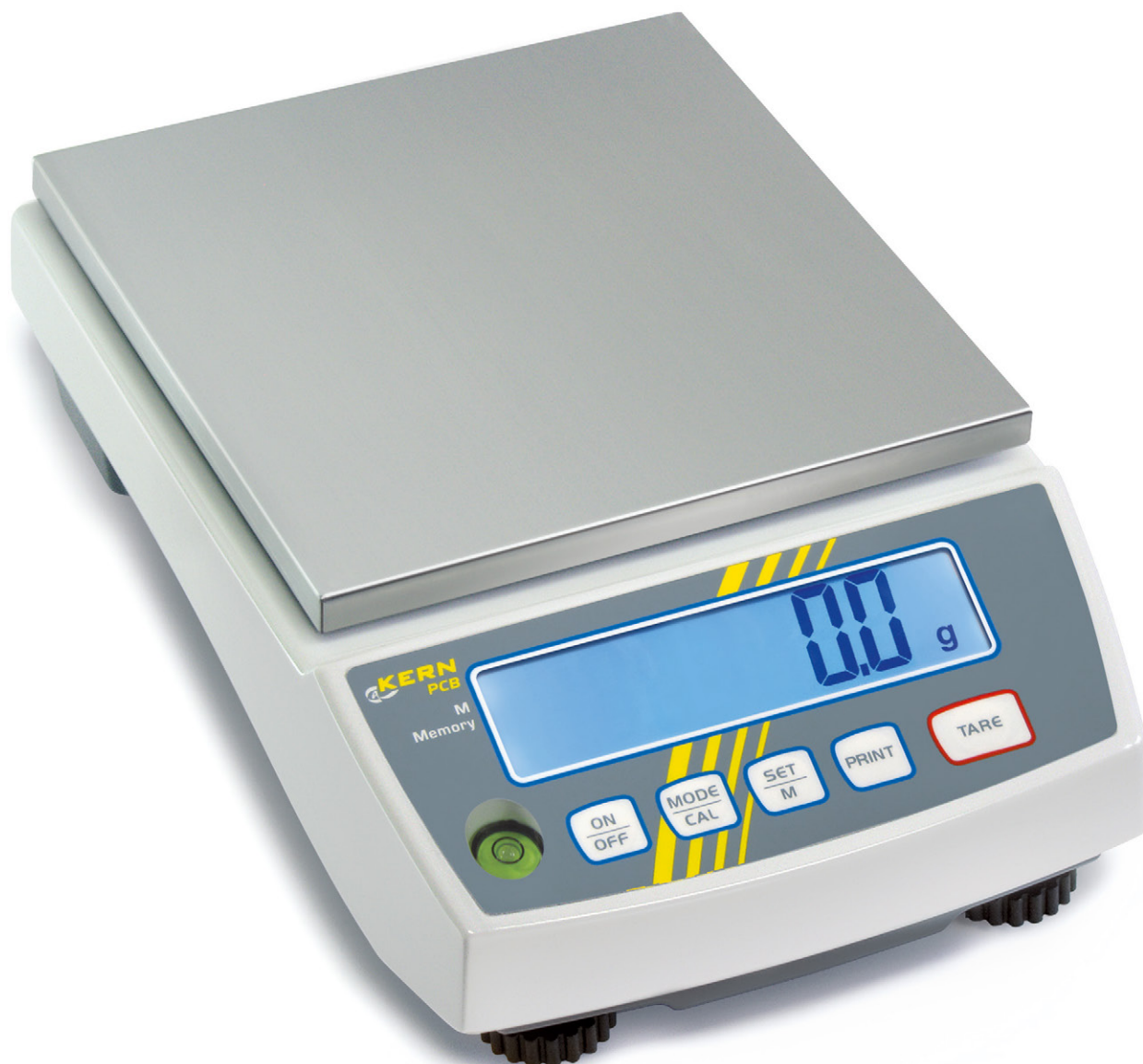


## Precision balance KERN PCB(SK)



The standard in the laboratory



**GLP/ISO record keeping of weighing data**, balance adjustment etc. with date, time and identification no. in combination with an appropriate KERN printer. Ideal for monitoring and documenting your processes in accordance with your quality management system



### **Piece counting**

Thanks to its high level of accuracy, it is ideal for counting the smallest parts



With the **recipe function** you can weigh the different ingredients of a mixture. As a check, you can also recall the total weight of all the ingredients

Precision balance KERN PCB



Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar
- **Percentage determination:** makes it possible to store a given weight value (100 %) and to determine deviations from this target value
- **Ring-shaped draft shield** standard, only for models with weighing plate sizes **A**, weighing space ØxH 90x40 mm



Technical data

- Backlit LCDdisplay, digit height 15 mm
- Dimensions of weighing plate (stainless steel\*)
  - A** Ø 81 mm
  - B** Ø 105 mm\*
  - C** WxD 130x130 mm\*
  - D** WxD 150x170 mm\*, see larger picture
- Optional battery operation, battery 9 V Block not standard. AUTO-OFF function to preserve the battery, can be switched off
- Overall dimensions (without draft shield) WxDxH 163x245x79 mm
- Permissible ambient temperature 5 °C / 35 °C



Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, for models with weighing plate sizes
  - A** KERN PCB-A02
  - B** KERN PCB-A03
  - C** KERN PCB-A04
  - D** KERN PCB-A05
- **Hook for underfloor weighing** to weigh hanging loads, standard, can be reordered, KERN 440-A01
- **Rechargeable battery pack internal**, can be reordered, operating time up to 48 h without backlight, charging time approx. 8 h. AUTO-OFF function to preserve the battery, can be switched off, KERN PCB-A01
- **Software Balance Connection**, details see page 139, KERN SCD-4.0
- **Individual header data:** the free software KERN SHM-01 can be used to print 4 header lines on the printout for printers 911-013 and YKB-01N
- **RS-232/Ethernet adapter** to connect balances with an RS 232 interface to a network, using Ethernet, details see page 139, KERN YKI-01
- **Suitable printers** see page 138

STANDARD

only with printer

OPTION

ACCURACY +3 DAYS

Model	Weighing range [Max] g	Read-out [d] g	Repro-ducibility g	Linea- rity g	Min. piece weight [Counting] g/piece	Net weight approx. kg	Weighing plate	Option	
								DKD Calibr. Certificate	
KERN								DKD KERN	
PCB 100-3	100	0,001	0,001	± 0,003	0,002	1,1	A	963-127	
PCB 250-3	250	0,001	0,001	± 0,005	0,002	1,1	A	963-127	
PCB 350-3	350	0,001	0,002	± 0,005	0,002	1,1	A	963-127	
PCB 200-2	200	0,01	0,01	± 0,02	0,02	1,1	B	963-127	
PCB 1000-2	1000	0,01	0,01	± 0,03	0,02	1,4	C	963-127	
PCB 2500-2	2500	0,01	0,01	± 0,05	0,02	1,4	C	963-127	
PCB 3500-2	3500	0,01	0,02	± 0,05	0,02	1,4	C	963-127	
PCB 1000-1	1000	0,1	0,1	± 0,2	0,2	1,4	C	963-127	
PCB 2000-1	2000	0,1	0,1	± 0,2	0,2	1,4	C	963-127	
PCB 6000-1	6000	0,1	0,1	± 0,3	0,2	2	D	963-128	
PCB 10000-1	10000	0,1	0,1	± 0,3	0,2	2	D	963-128	
PCB 6000-0	6000	1	1	± 2	2	2	D	963-128	

# KERN Pictograms



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



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



**Memory:** Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.



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



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



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



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



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



**Interface for second balance:** for direct connection of a second balance.



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



**GLP/ISO record keeping:** of weighing data with date, time and identification-no. Only with printers from KERN.



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



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



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



**Recipe level C:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as bar-code and back calculation functions.



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



**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 with tolerance range:** Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.



**Vibration-free weighing:** (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.



**Spray and dust protection IPxx:** The type of protection is shown by the pictogram. For details see the glossary.



**Stainless steel:** the balance is protected against corrosion.



**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.



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



**Power supply:** integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.



**Strain gauges:** Electrical resistor on an elastic deforming body.



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



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



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



**Verification possible:** The time required for verification is specified in the pictogram.



**DKD calibration possible:** The time required for DKD calibration is shown in days in the pictogram.



**Package shipment:** The time required to manufacture the product internally is shown in days in the pictogram.



**Pallet shipment:** The time required to manufacture the product internally is shown in days in the pictogram.



**Warranty:** The warranty period is shown in the pictogram.

## Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of its accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.

(DKD = German Calibration Service)

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

### Range of services:

- DKD calibration of balances with a maximum load of up to 6 t
- DKD 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
- DKD calibration certificates in the following languages  
D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

## Your KERN specialist dealer: