

Precision balance KERN PCB



The economical solution for the bargain hunter



GLP/ISO record keeping of weighing data, balance adjustment, etc. with date, time and identification no... 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



A



B



C

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/m², 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
- Net weight approx. 1,1 kg
- 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 131, 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
- **Suitable printers** see page 130

STANDARD

































only with printer

OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] 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	± 0,003	0,002	1,1	A	963-127	
PCB 350-3	350	0,001	0,002	± 0,004	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	± 0,03	0,02	1,4	C	963-127	
PCB 3500-2	3500	0,01	0,02	± 0,04	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	 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
 Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 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 level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E 1, E 2, F 1, F 2, M 1, M 2, and M 3 with weights from 1 mg to 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 ~ UKAS)

Your KERN specialist dealer:

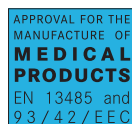
Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DKD calibration of balances with a maximum load of up to 6000 kg
- 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.

KERN – Professional measuring. Measuring technology and testing services from a single source



German Excellence Group
Member