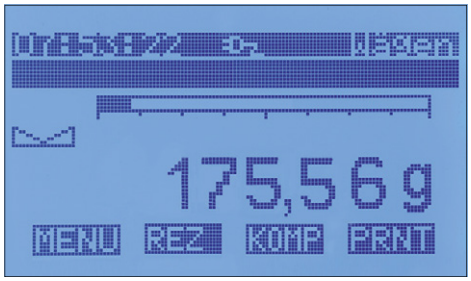
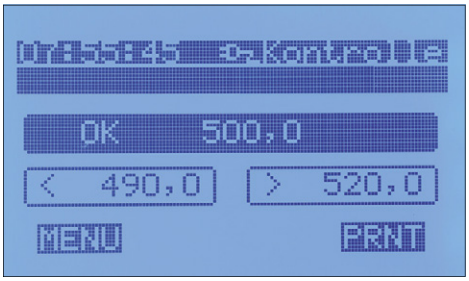
Precision balance KERN PKS(SK)



Laboratory specialist with clear graphics display for the most simple user guidance



Large backlit graphic display
All relevant information for the mode you are using is displayed clearly, at a glance and assigned to the keys are assigned on the keyboard overlay



Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading



Convenient recipe weighing
you can save up to 5 complete recipes in the memory with up to 7 components of a mixture. The individual components of a mixture can be printed out clearly with the name, weight and grand total



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

Precision balance KERN PKS







Features

- On the basis of the KERN bestseller KB, many typical laboratory functions have been expanded to include a clear graphics screen, which shows the relevant information visually and makes it significantly easier to operate and read the weights off the display
- **Navigation pad** for super quick navigation through the menus
- **40 memories for each mode**
- Extensive print formats - up to 20 lines with fixed and variable texts
- **High mobility**: (laboratory, production, quality testing, commissioning,...)
- **Ring-shaped draft shield** standard for models with weighing plate sizes A, weighing space ØxH 90x53 mm
- **Hook for underfloor weighing** to weigh hanging loads standard

Technical data

- Large back-lit LCD graphic display, screen diagonal 3,2“ (approx. 81 mm)
- Dimensions of weighing plate (stainless steel*):
  A Ø 81 mm
  B WxD 130x130 mm*
  C WxD 150x170 mm*, see larger picture
- Dimensions housing WxDxH 167x250x85 mm
- Permissible ambient temperature 10 °C / 40 °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-A04
  C KERN PCB-A05
- **Rechargeable battery pack external** operating time up to 40 h without backlight, charging time approx. 10 h, KERN KS-A01
- **Rechargeable battery pack internal**, operating time up to 40 h without backlight, charging time approx. 10 h, KERN KB-A01N
- **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

Functions

- Capacity display
- Dispensing assistance (subtractive, additive)
- Piece counting with reference
- Automatic reference optimisation
- Tare deduction from the memory unit
- Input of item or batch description, operator etc. from the memory unit
- Freely programmable weighing unit, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar
- Date/time in the display
- Individual printout configuration

STANDARD

CAL EXT · MEMORY · RS 232 · GLP PROTOCOL · PCS · RECIPE · PERCENT · UNIT · TOL · MOVE · UNDER · 230 V · DMS · 1 DAY · 3 YEARS WARRANTY

OPTION

ACCU · DKD +3 DAYS

Model KERN	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 DKD KERN	
PKS 200-3	200	0,001	0,001	± 0,003	0,001	1,1	A		963-127	
PKS 360-3	360	0,001	0,002	± 0,005	0,001	1,1	A		963-127	
PKS 2000-2	2000	0,01	0,01	± 0,03	0,01	1,5	B		963-127	
PKS 3600-2	3600	0,01	0,02	± 0,05	0,01	1,5	B		963-127	
PKS 10K0.1	10000	0,1	0,1	± 0,3	0,1	1,7	C		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 barcode 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 ist 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 corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: