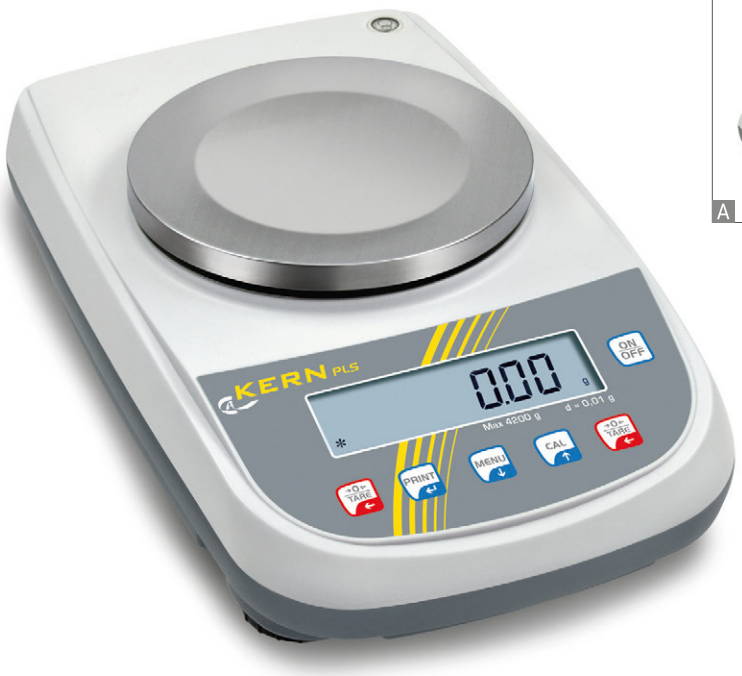
Precision balances KERN PLS · PLJ




A


B


D

- Weighing plate dimensions, stainless steel,
  A Ø 80 mm, B Ø 110 mm
  C Ø 160 mm, see enlarged picture
  D WxD 200x175 mm
- Overall dimensions WxDxH
  without draught shield: 210x340x100 mm
  with draught shield: 210x340x160 mm
- 4 KERN PLS/PLJ-F: Strain gauge
- 5 KERN PLS/PLJ-A: Force compensation
- Permissible ambient temperature 5 °C / 35 °

Range of precision balances with enormous weighing ranges – ideal for heavy tare containers or large samples

Features

- A **New: PLJ 2000-3A high-quality milligram balance with enormous weighing range up to 2100 g** – ideal for large samples or heavy tare containers
- 2 KERN PLJ: **Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- 3 KERN PLS: **Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price, see page 188 ff.
- **Ergonomically optimised keypad** for left and righthanded users
- **Glass draught shield**, standard for models with weighing plate size B. Removable metal cover with pipette opening, weighing space ØxH 150x60 mm

Technical data

- Backlit LCD display, digit height 17 mm

Accessories

- **Protective working cover** standard. Can be re-ordered, scope of delivery: 5 items, KERN PLJ-A01S05
- 6 **Hook for underfloor weighing** of hanging loads, not included, KERN PLJ-A02
- **Set for density determination** of liquids and solids with density ≤/≥ 1.
  The density, is indicated directly on all models with readout [d] = 0,001 g, KERN ALT-A02
  on all models with readout [d] = 0,01 g, KERN PLT-A01
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, for details see page 180, KERN YKI-01
- **Suitable test weights**, also with calibration certificate, see page 188
- **Suitable printers** and further, extensive accessories from page 177 ff.

STANDARD

CAL INT 2 · CAL EXT 3 · RS 232 · GLP PRINTER · PCS · RECIPE · PERCENT · TOL · UNDER 6 · MULTI · DMS 4 · FORCE 5 · 1 DAY · 3 YEARS WARRANTY

OPTION

DAkkS +3 DAYS

FACTORY

M +3 DAYS only PLJ-M

Model KERN	Weighing range [Max] g	Readout [d] g	Verific. value [e] g	Repro-ducibility g	Linearity g	Min. piece weight [Counting] g/piece	Weighing plate	Net weight approx. kg		Optiones Verification KERN		DAkkS Calibr. Certificate KERN	
PLS 420-3F	420	0,001	–	0,001	± 0,004	0,005	B	2,7		–	–	963-127	
PLS 720-3A 6	720	0,001	–	0,001	± 0,002	0,005	B	4,6		–	–	963-127	
PLS 1200-3A 6	1200	0,001	–	0,001	± 0,003	0,005	B	4,7		–	–	963-127	
PLS 4200-2F 6	4200	0,01	–	0,01	± 0,04	0,05	C	3,0		–	–	963-127	
PLS 6200-2A 6	6200	0,01	–	0,01	± 0,03	0,05	C	4,5		–	–	963-128	
PLS 8000-2A 6	8200	0,01	–	0,01	± 0,04	0,01	C	4,7		–	–	963-128	
PLS 20000-1F 6	20000	0,1	–	0,1	± 0,4	0,5	D	3,5		–	–	963-128	
PLJ 420-3F	420	0,001	–	0,001	± 0,003	0,005	B	3,5		–	–	963-127	
PLJ 720-3A 6	720	0,001	–	0,001	± 0,002	0,001	B	4,9		–	–	963-127	
PLJ 1200-3A 6	1200	0,001	–	0,001	± 0,003	0,005	B	5,0		–	–	963-127	
PLJ 2000-3A NEW 6	2100	0,001	-	0,002	± 0,004	0,05	A	6,5		–	–	963-127	
PLJ 4200-2F	4200	0,01	–	0,02	± 0,04	0,05	C	3,8		–	–	963-127	
PLJ 6200-2A 6	6200	0,01	–	0,01	± 0,03	0,01	C	5,3		–	–	963-128	
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.													
PLJ 720-3AM	720	0,001	0,01	0,001	± 0,002	0,001	B	4,9		965-216		963-127	
PLJ 3000-2FM NEW	3100	0,01	0,1	0,01	± 0,03	0,05	C	4,0		-	-	963-127	
PLJ 6200-2AM	6200	0,01	0,1	0,01	± 0,03	0,01	C	5,2		965-217		963-128	

NEW New model

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.

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

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

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 peripherals. High tolerance against electromagnetic disturbance.

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.

WLAN 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.

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 use a universal RS-232/LAN converter.

Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.

GLP/ISO log: 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: 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 display.

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.

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

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.

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 values can be programmed individually for e.g. dosing, sorting and portioning.

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.

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

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.

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

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

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

Weighing principle: Strain gauge 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.

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

DAkkS calibration possible (DKD): The time required for DAkkS 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.

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: