

Precision balance KERN PLT



High-quality precision balance with convenient graphic display

Features

- **Convenient recipe-weighing:** with the recipe database, in which up to 99 recipes can be stored, each with up to 20 recipe ingredients with name and target value
- **Rapid and efficient operation** thanks to the graphic display
- **Simple plain text user guidance in the display,** following languages available: DE, GB, FR, IT, ES, PT
- **Automatic internal adjustment** in the case of a change in temperature > 1,5 °C and time-controlled every 20 minutes
- **Percentage determination:** makes it possible to store a given weight value (100 %) and to determine deviations from this target value
- **Weighing with tolerance range,** ideal for portioning, dispensing, grading
- **GLP/ISO record keeping** of weight results with date, time and serial number

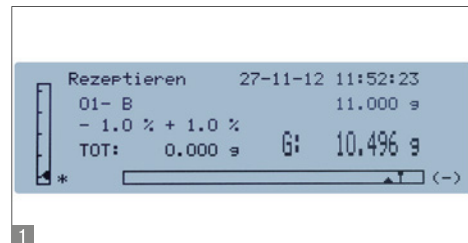
- **Glass draught shield,** standard for models with weighing plate size **A**. Removable metal cover with pipette opening, weighing space ØxH 150x60 mm

Technical data

- Large backlit LCD display, digit height 15 mm
- Weighing plate dimensions, stainless steel, **A** Ø 110 mm
B Ø 160 mm, see enlarged picture
- Overall dimensions (incl. draught shield) WxDxH 210x340x160 mm
- Net weight approx. 4 kg
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be retrofitted, KERN PLJ-A01
- **Set for density determination** of liquids and solids with density $\leq/\geq 1$ 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** to connect balances with an RS-232 interface to a network, via Ethernet, for details see page 158, KERN YKI-01
- **Suitable printers** and an extensive accessories range, see page 157 ff.



STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Min. piece weight [Counting] g/piece	Weighing plate		Option DAKKS Calibr. Certificate	
								DAKKS KERN	
PLT 420-3F	420	0,001	0,001	± 0,004	0,005	A	↓	963-127	
PLT 720-3A	720	0,001	0,001	± 0,002	0,005	A	↓	963-127	
PLT 1200-3A	1200	0,001	0,001	± 0,003	0,005	A		963-127	
PLT 4200-2F	4200	0,01	0,01	± 0,04	0,05	B	↓	963-127	
PLT 6200-2A	6200	0,01	0,01	± 0,03	0,05	B	↓	963-128	

ONLY WHILE STOCKS LAST

Price reduction

KERN Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 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 B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 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 C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.	 Rechargeable battery pack: Rechargeable set.
 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, AUS or USA 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, AUS or USA 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. Additional convenient functions, such as barcode and back calculation.	 Strain gauges: Electrical resistor on an elastic deforming body.
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Tuning fork principle: 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 %).	 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.	 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.	 Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAKkS calibration possible: The time required for DAKkS calibration is shown in days in the pictogram.
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.	 Package 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, see "Accessories"	 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.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.	 Stainless steel: The balance is protected against corrosion.	 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 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.

Your KERN specialist dealer:

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 6 t
- DAKkS 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
- DAKkS calibration certificates in the following languages D, GB, F, I, E, NL