



Multifunctional laboratory balance with single-cell weighing system and EC-Type Approval [M]

Precision balance KERN PBS · PBJ



Features

- 1 only PBJ: Automatic internal adjustment in the case of a change in temperature or time-controlled at defined intervals
- Metal housing: robust and sturdy
- Dosage aid: High-stability mode and other filter settings can be selected
- Weighing with tolerance range (check-weighing): Input of an upper / lower limit value. A visual signal assists with portion division, dispensing or grading
- Totalizing of individual weighing results
- Simple recipeweighing and documenting with a combined tare/print function. In addition, the mixing ingredients for the recipe are numbered automatically and printed out with their corresponding number and weight value
- Identification number: 4 numeric positions, printed on calibration protocol
- Freely programmable weighing unit (e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar)

- Automatic data output to the PC/printer every time the balance is steady
- 2 only PBS: Adjusting program (CAL), for quick setting of the balance accuracy
- 3 Draft shield standard. Removable cover with pipette opening, on all models with readout d = 0,001 g, Weighing space WxDxH 184x203x90 mm
- UNITS: Further weighing units see the internet

Options

- Protective working cover over keyboard and housing, standard, can be reordered, for models with weighing plate sizes
 - A KERN PBS-A01
 - B KERN PBS-A02
- Set for density determination for models with weighing plate sizes
 - A KERN PBS-A04
 - B KERN PBS-A03
- 5 Standard printer, **KERN YKB-01N**
- 6 Label printer, **KERN YKL-01**
- 7 Statistics printer, **KERN YKT-01**
- 8 Statistics printer, **KERN YKS-01**

Technical data

- Large backlit LCD, digit height 14 mm
- Dimensions of weighing plate (stainless steel):
 - A 108x105 mm
 - B 170x180 mm, see larger picture
- Overall dimensions (without draft shield): WxDxH 200x320x80 mm
- Net weight approx. 3,4 kg
- Permissible ambient temperature 10°C / 30°C

1 * Only while stocks last

4 Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material
- Stable temperature behaviour
- Short stabilisation time: 3 sec
- Shock proof construction
- High corner load performance

STANDARD



STANDARD



OPTION



FACTORY


























Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Minimal load [Min] g	Reproducibility g	Linearity g	Weighing plate	Options			
								Verification		DKD Calibr. Certificate	
								M KERN		DKD KERN	
PBS 420-3M	420	0,001	0,01	0,02	0,001	± 0,002	A	950-116	II		963-127
PBS 620-3M	620	0,001	-	-	0,001	± 0,002	A	-			963-127
PBS 4200-2M	4200	0,01	0,1	0,5	0,01	± 0,02	B	950-116	II		963-127
PBS 6200-2M	6200	0,01	-	-	0,01	± 0,02	B	-			963-102
PBS 8200-1M	8200	0,1	1	5	0,1	± 0,2	B	950-117	II		963-128

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. For the verification at the factory, we need to know the full address of the location of use.

PBJ 420-3M*	420	0,001	0,01	0,02	0,001	± 0,002	A	950-116	II		963-127
PBJ 620-3M	620	0,001	0,01	0,1	0,001	± 0,002	A	950-101	I		963-101
PBJ 4200-2M	4200	0,01	0,1	0,5	0,01	± 0,02	B	950-116	II		963-127
PBJ 6200-2M	6200	0,01	0,1	4	0,01	± 0,02	B	950-102	I		963-102
PBJ 8200-1M	8200	0,1	1	5	0,1	± 0,2	B	950-117	II		963-128

■ Price reduction

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.	 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.
 Rechargeable battery pack: rechargeable set.	 Power supply: integrated in balance. 230V/50Hz in Germany. On request GB or USA version.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB or USA version.
 Battery operation: The battery type is specified for each device.	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight	 Spray and dust protection IPxx The type of protection is shown by the pictogram. For details see the glossary.
 Data interface: The type of interface is shown by the pictogram. See the glossary for further details.	 GLP/ISO record keeping of weighing data with date, time and identification-no. Only with printers from KERN.	 Tare: put back displayed value to "0" during weighing process, e.g. to add or remove weighing material from a container.
 Animal weighing program: Strong vibrations are filtered out to determine a stable weighing result.	 Stainless steel: the balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 Suspended weighing: load support with hook on the underside of the balance.	 Verification possible. The time required for verification is specified in the pictogram.
 Percentage determination: Displays the deviation from the reference weight (100%) in % instead of grams.	 Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting.	 DKD calibration possible. The time required for DKD calibration is specified in the pictogram.
 Package shipment via courier.	 Pallet shipment via freight forwarder.	[DMS] For details on weighing technologies, see the glossary.

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: E1, E2, F1, F2, M1, M2, and M3 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)

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.

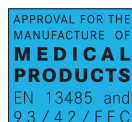
Range of services:

- 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:

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



German Excellence Group
Member