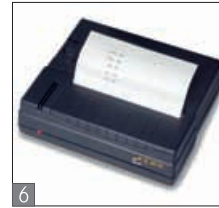




Multifunctional laboratory balance with single-cell weighing system and EC-Type Approval [M]

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
- **2** only PBS: **Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price
- **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

Options

- **Automatic data output to the PC/printer** every time the balance is steady
- **3 Draft shield** standard, on all models with readout $d = 0,001$ g. weighing space $W \times D \times H$ 180x193x87 mm
- **UNITS:** Further weighing units see the internet

Technical data

- Large backlit LCD display, digit height 14 mm
- Dimensions of weighing plate (stainless steel):
 - A** 108x105 mm
 - B** 170x180 mm, see larger picture
- Overall dimensions (without draft shield) $W \times D \times H$ 209x322x78 mm
- Net weight approx. 3 kg
- Permissible ambient temperature 10°C / 30°C

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 Matrix needle printer**, KERN 911-013
- **6 Thermal printer**, KERN YKB-01N
- **7 Statistics printer**, KERN YKS-01

- 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	Minimum load [Min] g	Repro-ducibility 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				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				963-127	
PBS 6200-2M	6200	0,01	-	-	0,01	± 0,02	B				963-128	
PBS 8200-1M	8200	0,1	1	5	0,1	± 0,2	B				963-128	
PBJ 420-3M*	420	0,001	0,01	0,02	0,001	± 0,002	A		950-116		963-127	
PBJ 620-3M	620	0,001	0,01	0,1	0,001	± 0,002	A		950-101		963-127	
PBJ 4200-2M	4200	0,01	0,1	0,5	0,01	± 0,02	B		950-116		963-127	
PBJ 6200-2M	6200	0,01	0,1	1	0,01	± 0,02	B		950-102		963-128	
PBJ 8200-1M	8200	0,1	1	5	0,1	± 0,2	B		950-117		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.

■ Price reduction

■ * Only while stocks last

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, AUS or USA version.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS 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.
 Dynamic weighing: 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: Determining the deviation in % from the target value (100%).	 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.

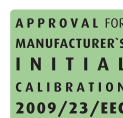
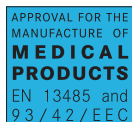
Range of services:

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

Your KERN specialist dealer:

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



German Excellence Group
Member