



Multifunctional laboratory balance with single-cell weighing system and EC type approval [M]



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



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



Percentage determination: makes it possible to store a given weight value (100%) and to determine deviations from this target value

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 (checkweighing): Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- Totalizing of individual weighing results
- Identification number: 4 numeric positions, printed on calibration protocol
- 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 WxDxH 180x193x87 mm

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) WxDxH 209x322x78 mm
- Net weight approx. 3 kg
- Permissible ambient temperature 10 °C / 30 °C

- **5** 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

Accessories

- 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
- **4** Set for density determination for models with weighing plate sizes
 - A** KERN PBS-A04
 - B** KERN PBS-A03
- Suitable printers see page 130

STANDARD

1 CAL INT **2** CAL EXT RS 232 GLP PROTOCOL PCS RECIPE PERCENT UNIT TOL MOVE UNDER 230 V SC TECH 1 DAY 3 YEARS WARRANTY

OPTION

DKD +3 DAYS **M +3 DAYS**

FACTORY

M +3 DAYS































Model	Weighing range [Max] g	Readout [d] g	Verific. value [e] g	Mindest-last [Min] g	Repro-ducibility g	Linearity g	Weighing plate	Options				
								Verification		DKD Calibr. Certificate		
								KERN		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				965-216	963-127
PBJ 620-3M	620	0,001	0,01	0,1	0,001	± 0,002	A				965-201	963-127
PBJ 4200-2M	4200	0,01	0,1	0,5	0,01	± 0,02	B				965-216	963-127
PBJ 6200-2M	6200	0,01	0,1	1	0,01	± 0,02	B				965-202	963-128
PBJ 8200-1M	8200	0,1	1	5	0,1	± 0,2	B				965-217	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.

* ONLY WHILE STOCKS LAST

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.	 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	 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
 Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 Percentage determination: Determining the deviation in % from the target value (100%).	 Weighing units: Can be switched to e. g. nonmetric 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 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 ~ UKAS)

Your KERN specialist dealer:

Intertech d.o.o.
VII. Ulica - Del 007
SI-1235 Radomlje, Slovenia EU

www.Tehtnice.net

TEL.: +386-1-7297-234
MOB.: +386-41-819-607

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.

TEHTNICE.NET
041-819-607 www.Tehtnice.net

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

