

Precision balance KERN PFB



Low-cost model based on a concept of easy use

Features

- **Concept of easy use:** All primary functions have their own key on the keypad
- **Compacts ize,** practical for small spaces
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results

- **Drafts shield** standard for models with weighing plate sizes **A** and **B**. Removable metal cover with pipette opening. weighing space WxDxH 158x143x64 mm
- **Separate second display** standard for models PFB 600-1M and PFB 6000-0M. Suitable for direct sales to the public. The verification value is the same as the readout. Large backlit LCDdisplay, Digit height 16 mm. Interface cable to the balance, Cable length approx. 1 m, and Mains adapter external standard. Dimensions WxDxH 250x180x105 mm

Technical data

- Backlit LCDdisplay, digit height 15 mm
- Dimensions of weighing plate (stainless steel)
 - A** Ø 80 mm, **B** Ø 120 mm
 - C** WxD 155x145 mm, see larger picture
- Overall dimensions (without draft shield) WxDxH 200x260x87 mm
- Net weight approx. 2 kg
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Separate second display**, ideal for training and demonstration purposes in laboratories or in industry, not permitted for direct sales to the public, KERN PFB-A08
- **Suitable printers** see page 130

STANDARD



OPTION



FACTORY

































Model	Weighing range [Max] g	Readout [d] g	Verific. value [e] g	Reproducibility g	Linearity g	Weighing plate	Option		
							Verification		DKD Calibr. Certificate
							M II KERN		DKD KERN
PFB 120-3	120	0,001	-	0,001	± 0,003	A	-	-	963-127
PFB 200-3	200	0,001	-	0,001	± 0,003	A	-	-	963-127
PFB 300-3	300	0,001	-	0,001	± 0,003	A	-	-	963-127
PFB 1200-2	1200	0,01	-	0,01	± 0,03	B	-	-	963-127
PFB 2000-2	2000	0,01	-	0,01	± 0,03	B	-	-	963-127
PFB 3000-2	3000	0,01	-	0,01	± 0,03	B	-	-	963-127
PFB 6K0.05	6000	0,05	-	0,05	± 0,15	C	-	-	963-128
PFB 6000-1	6000	0,1	-	0,1	± 0,3	C	-	-	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.

PFB 600-2M	600	0,01	0,1	0,01	± 0,02	B		965-216	963-127
PFB 600-1M	600	0,1	0,1	0,1	± 0,1	B		965-216	963-127
PFB 6000-1M	6000	0,1	1	0,1	± 0,3	C		965-217	963-128
PFB 6000-0M	6000	1	1	1	± 1	C		965-217	963-128

■ New model

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. 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 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: E 1, E 2, F 1, F 2, M 1, M 2, and M 3 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:

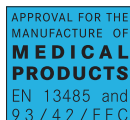
Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

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.

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



German Excellence Group
Member