

Analytical balance KERN ABS · ABJ



First-class standard for small budgets,
with EC-Type Approval [M]

Features

- **1** only ABJ: **Automatic internal adjustment**
- **2** only ABS: **Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price
- **Metal housing:** robust and sturdy
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **UNITS:** Further weighing units see the internet

Technical data

- Large LCD display, digit height 13 mm
- Dimensions of weighing plate \varnothing 80 mm
- Overall dimensions WxDxH 225x315x330 mm
- Weighing space: 190x159x225 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10°C / 30°C

Options

- **4** **Set for density determination** of liquids and solids, KERN ABS-A02
 - **Ioniser** to neutralise electrostatic charge, page 33, KERN YBI-01
 - **Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, page 33, KERN YPS-01
 - **Matrix needle printer**, KERN 911-013
 - **5** **Thermal printer**, KERN YKB-01N
 - **6** **Statistics printer**, KERN YKS-01
- For additional information on the printers see page 124

STANDARD



STANDARD



OPTION


























FACTORY



Model	Weighing range [Max] g	Read-out [d] mg	Verification value [e] mg	Minimum load [Min] mg	Reproducibility mg	Linearity mg	Options				
							Verification		DKD Calibr. Certificate		
							MI KERN		DKD KERN		
ABS 80-4	83	0,1	-	-	0,1	$\pm 0,2$	-		963-101		
ABS 120-4	120	0,1	-	-	0,1	$\pm 0,2$	-		963-101		
ABS 220-4	220	0,1	-	-	0,1	$\pm 0,2$	-		963-101		
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.											
ABJ 80-4M	83	0,1	1	10	0,1	$\pm 0,2$	950-101		963-101		
ABJ 120-4M	120	0,1	1	10	0,1	$\pm 0,2$	950-101		963-101		
ABJ 220-4M	220	0,1	1	10	0,1	$\pm 0,2$	950-101		963-101		
ABJ 320-4	320	0,1	-	-	0,1	$\pm 0,2$	-		963-101		

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.

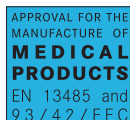
Range of services:

- 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