



### KERN ABS•ABJ *First-class standard for small budgets, with EC-Type Approval (M)*

**Delivery**  
1 day

**3**  
Years warranty

**Force compensation**

**FACTORY OPTION**

**Verification**  
+7 days ABJ only

**OPTION**  
 **DKD Certificate**  
+3 days

- STANDARD**
- ABJ only
- ABS only
- 
- 
- only with printer
- 
- ABS only
- 

**Internal adjusting (CAL):** Quick setting of the balance's accuracy with internal adjusting weight (motor-driven).

**Adjusting program (CAL):** For quick setting of the balance's accuracy. External adjusting weight required.

**Piece counting:** Reference quantities selectable. Display can be switched from piece to weight.

**Data interface:** The type of interface is shown by the pictogram. For a definition, see glossary.

**GLP/ISO record keeping** of weighing data with date, time and ident.-no. Only with printers from KERN.

**Percentage determination:** Displays the deviation from the reference weight (100%) in % instead of grams.

**Weighing units:** can be switched to e.g. non-metric units at the touch of a key. See balance model.

**Mains adapter:** 230 V/50Hz in standard version for Germany. On request GB, AUS or USA version.

**Carat switch-over** from g to ct is possible.

| Model      | d     | Max  |
|------------|-------|------|
| KERN       | ct    | ct   |
| ABJ 80-4M  | 0,001 | 415  |
| ABJ 120-4M | 0,001 | 600  |
| ABJ 220-4M | 0,001 | 1100 |
| ABJ 320-4  | 0,001 | 1600 |

The carat display is also verifiable.

**Metal housing**  
robust and sturdy

**Large LCD Display**  
digit height 14 mm

**Identification number**  
4 numeric positions, 2 key programming method

**Capacity display**  
an ascending bar graph displays the remaining available weighing range

**Standard printer**  
KERN YKB-01N

**Statistics printer**  
KERN YKT-01  
For all printers see page 94

**Technical Data:**  
**Overall dimensions** WxDxH 225x315x330 mm  
**Weighing space** WxDxH 190x155x225 mm  
**Net weight** approx. 7 kg  
**Permitted environmental temperature** +10 ... +30 °C  
**UNITS** Further weighing units: see the internet

| Model   | Model      | WEIGHING RANGE | Read-out | Verific. value | Min. load | Repro-ducibility | Linearity | Verifi-cation | OPTION M | OPTION I | Certifi-cate | OPTION DKD |
|---|------------|----------------|----------|----------------|-----------|------------------|-----------|---------------|----------|----------|--------------|------------|
| KERN  | KERN       | Max g          | d mg     | e mg           | Min mg    | mg               | mg        | KERN          |          |          | KERN         |            |
|   | ABS 80-4   | 83             | 0,1      | -              | -         | 0,1              | ± 0,2     | ●             | -        | -        | 963-101      |            |
|   | ABS 120-4  | 120            | 0,1      | -              | -         | 0,1              | ± 0,2     | ●             | -        | -        | 963-101      |            |
|   | ABS 220-4  | 220            | 0,1      | -              | -         | 0,1              | ± 0,2     | ●             | -        | -        | 963-101      |            |
| For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. |            |                |          |                |           |                  |           |               |          |          |              |            |
|   | ABJ 80-4M  | 83             | 0,1      | 1              | 10        | 0,1              | ± 0,2     | ●             | 950-101  | -        | 963-101      |            |
|   | ABJ 120-4M | 120            | 0,1      | 1              | 10        | 0,1              | ± 0,2     | ●             | 950-101  | -        | 963-101      |            |
|   | ABJ 220-4M | 220            | 0,1      | 1              | 10        | 0,1              | ± 0,2     | ●             | 950-101  | -        | 963-101      |            |
|   | ABJ 320-4  | 320            | 0,1      | 1              | 10        | 0,1              | ± 0,2     | -             | -        | -        | 963-101      |            |

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Order Hotline: Go to back page of catalogue

### KERN - Your DKD-Calibration Partner

issues DKD calibration certificates for balances and test weights in its own accredited laboratories. It is internationally valid.

KERN is a manufacturer of test weights in the international classes of accuracy E1, E2, F1, F2, M1, M2, M3, from 1 mg up to 2000 kg  
DKD = German Calibration Service



Your KERN specialist dealer